



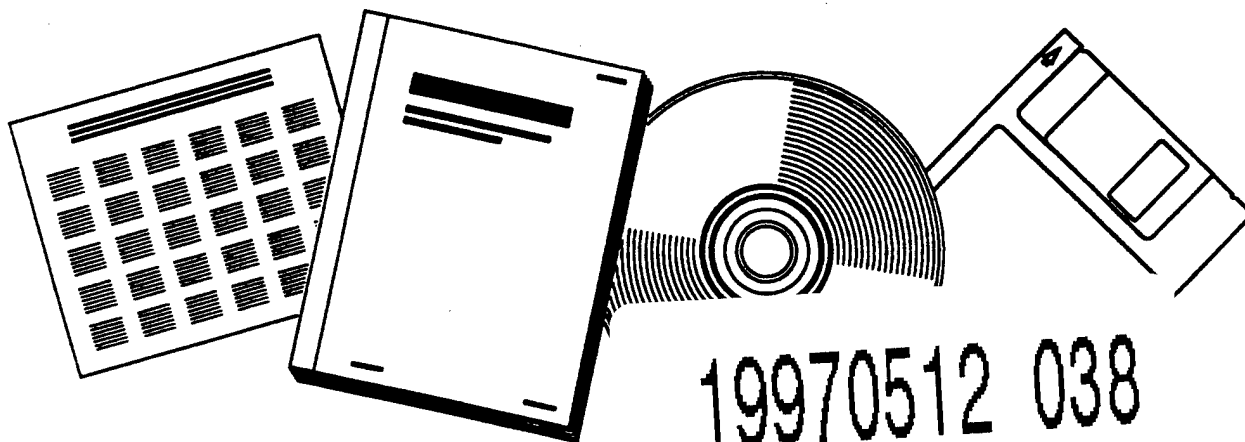
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# IMPACTS OF DEFENSE SPENDING CUTS ON INDUSTRY SECTORS, OCCUPATIONAL GROUPS, AND LOCALITIES ANNEX F TO ADJUSTING TO THE DRAWDOWN REPORT OF THE DEFENSE CONVERSION COMMISSION

DEFENSE CONVERSION COMMISSION  
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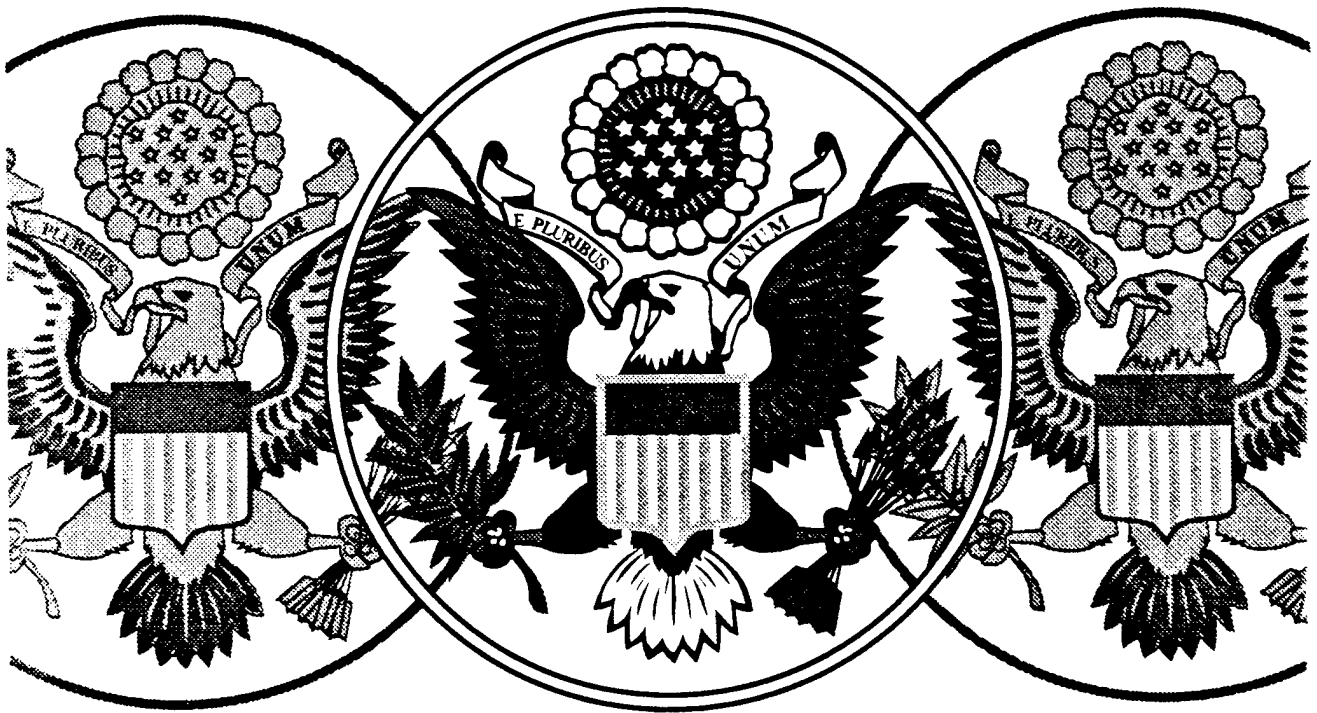
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Abstract: The report estimates the economic impacts on industries, localities, and occupational groups from reduced DoD purchases of goods and services between 1991 and 1997. The report focuses on gross changes rather than net effects. Gross changes in DoD's demand for goods and services and in defense-related jobs are those that result directly from changes in defense spending. The primary basis for the analysis is output obtained from the Defense Economic Impact Modeling System (DEIMS).

# Impacts of Defense Spending Cuts on Industry Sectors, Occupational Groups, and Localities



Annex F to  
*Adjusting to the Drawdown*  
Report of the  
Defense Conversion Commission

REPRODUCED BY  
U. S. DEPARTMENT OF COMMERCE  
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# Impacts of Defense Spending Cuts on Industry Sectors, Occupational Groups, and Localities

Annex F to  
*Adjusting to the Drawdown*

Report of the  
Defense Conversion Commission

LMI Report DC201R2

February 1993

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This paper was prepared as input to the Defense Conversion Commission in preparation of its December 1992 Report, *Adjusting to the Drawdown*. This paper does not necessarily reflect the findings, conclusions, or recommendations of the Defense Conversion Commission, the Department of Defense, or any Federal department or agency, nor does the Commission necessarily endorse the views expressed herein.

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# Executive Summary

During the nearly four decades of the Cold War, national defense consumed a significant portion of the country's economic resources. Although defense spending as a percentage of Gross Domestic Product (GDP) varied over that period, its share of GDP was never less than 4.8 percent (in 1978 under President Carter) nor more than 14.5 percent (in 1953 under President Eisenhower). At the last cyclical peak, the defense budget consumed 6.5 percent of GDP (in 1986 under President Reagan). Because of major changes in the geopolitical environment and pressing social and economic needs in the United States, the American political system decided to shift resources away from national defense. By 1997, the DoD budget is expected to fall to 3.6 percent of GDP, the lowest level of defense spending relative to national income since the end of World War II.

DoD budgets consist of two principal types of expenditures: those that pay active duty military, selected reserve military, DoD civilian workers, and retirees; and those that purchase goods and services from the private sector. We analyze how DoD purchases impact the private sector and estimate the economic effects of reduced defense spending for goods and services. We use a broad definition of defense industries and workers that includes all defense prime contractors, their major subcontractors, and other private-sector suppliers to defense producers. Using various data and analytical tools, the economic impacts of DoD purchases of goods and services are considered at the industry, state, county, and occupational levels. While the overall effects of defense downsizing at the national level are minimal, some industries, states, counties, and occupations are substantially dependent upon DoD purchases and will experience severe negative impacts between 1991 and 1997.

DoD buys more from the manufacturing sector than from any other sector. According to results from the Defense Economic Impact Modeling System (DEIMS), 61.2 percent of DoD's direct and indirect purchases in 1991 were from the manufacturing sector and 17.6 percent were from the service sector. The most heavily defense-dependent industries produce specialized military end items. For example, the DEIMS model estimates that DoD essentially purchases 100 percent of the missiles, tanks, and ordnance; 50 percent of the ships, boats, and railroad equipment; 50 percent of the communication and search and navigation equipment; and 34 percent of the aircraft, aircraft engines and parts, and missile engines and parts produced. The DEIMS model projects that these four industry groupings will suffer the largest

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reductions in their business bases between 1991 and 1997 as a result of defense downsizing; the projected business base declines in those specialized groupings are 36, 23, 21, and 11 percent, respectively.

The DEIMS model estimates that there were 3.2 million private-sector defense-related jobs in 1991. This figure implies that approximately 3.4 percent of all workers on private-sector payrolls produced goods and services for DoD, either directly or indirectly. Private-sector defense-related jobs are projected to decline to 2.3 million by 1997. This decline is 1.0 percent of private-sector payroll employment and, on an annual basis, averages less than 0.2 percent per year. According to DEIMS, most private-sector defense-related jobs are in the manufacturing sector. The second largest concentration of defense-related jobs is in services. In terms of the absolute magnitude of defense-related jobs lost, manufacturing leads with 621,000, and services is second with 143,000 jobs lost. Defense-related jobs as a percentage of total private-sector employment are greatest in manufacturing (8.7 percent) and second largest for mining (5.8 percent). The projected decline in defense-related jobs as a percentage of private-sector employment is greatest in manufacturing (3.2 percent) and second largest for mining (1.9 percent).

According to the DEIMS model, DoD purchases are highly concentrated in a small number of states. For example, 59.0 percent of DoD's direct and indirect purchases and 59.4 percent of private-sector defense-related jobs are concentrated in 10 states: California (accounting for 18.5 percent of DoD's purchases and 18.0 percent of private-sector defense-related jobs), Texas (6.6 and 6.2 percent), New York (6.3 and 6.7 percent), Massachusetts (4.7 and 4.9 percent), Virginia (4.5 and 5.1 percent), Ohio (4.2 and 3.9 percent), Florida (3.9 and 4.1 percent), Pennsylvania (3.8 and 3.8 percent), Connecticut (3.4 and 3.5 percent), and New Jersey (3.0 and 3.2 percent). Six states are dependent upon defense-related jobs for more than 5 percent of their nonfarm private-sector payroll employment: Connecticut (8.3 percent), Virginia (7.4 percent), Massachusetts (6.5 percent), California (5.6 percent), Maryland (5.5 percent), and Mississippi (5.2 percent). We project that only five states will lose more than 1.5 percent of their nonfarm private-sector payroll employment as a result of defense-related job losses: Connecticut (2.8 percent), Virginia (2.1 percent), Massachusetts (1.9 percent), Mississippi (1.8 percent), and California (1.7 percent).

To identify the impact of DoD purchases at the county level, we used the Defense Contract Action Data System (i.e., the DD Form 350 data base). We discovered that the top 20 counties accounted for 43 percent of the defense prime contracts valued over \$25,000 that were awarded

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domestically in 1991. California was heavily represented with 4 of the top 20 counties. Other states with a large number of heavily defense-dependent counties include Connecticut with three counties; and Texas, Massachusetts, and Arizona with two counties each.

Using industry-occupation coefficients derived from the Bureau of Labor Statistics' National Occupational Employment Statistics for 1990, we estimated the composition of the private-sector defense work force in 1991 and the occupational distribution of defense-related jobs likely to be lost between 1991 and 1997. We find that most private-sector defense-related jobs are in the "Professional specialty" category (605,000 jobs). The second largest concentration is in "Precision production" (597,000 jobs). In terms of the absolute magnitude of defense-related jobs lost, "Precision production" leads with 193,000 jobs lost, and "Professional specialty" is second with 177,000 jobs lost. Defense-related jobs as a percentage of private-sector payroll employment are greatest for "Technicians/support" (6.0 percent) and second largest for "Precision production" (5.4 percent) personnel. The projected decline in defense-related jobs as a percentage of private-sector payroll employment is greatest for "Technicians/support" (1.9 percent) and second largest for "Precision production" (1.8 percent) personnel.

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## CHAPTER 1

# Introduction and Summary of Major Findings

## INTRODUCTION

This report estimates the economic impacts on industries, localities, and occupational groups from reduced DoD purchases of goods and services between 1991 and 1997. We broadly define defense industries and workers to encompass all defense prime contractors, their major subcontractors, and other private-sector suppliers to defense producers. This definition captures all direct and indirect effects of DoD purchases from the private sector. We refer to jobs in the private sector that are generated by DoD purchases as “defense-related” to distinguish them from DoD civilian and uniformed military employees.<sup>1</sup>

This report focuses on *gross* changes rather than net effects. Gross changes in DoD’s demand for goods and services and in defense-related jobs are those that result directly from changes in defense spending. Gross changes do not include “induced” changes resulting from further rounds of decreased spending (i.e., multiplier effects), nor do they include any salutary effects (e.g., lower interest rates) caused by decreased defense spending. Depending upon the assumptions made and the time frame considered, the net effects of reduced defense spending may be larger or smaller than gross changes.

The primary basis for this analysis is output obtained from the Defense Economic Impact Modeling System (DEIMS). Based upon a request from the Chairman of the Defense Conversion Commission, DoD’s Office of Program Analysis and Evaluation (PA&E) provided the complete data that underlie their most recently published DEIMS

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<sup>1</sup>Annex H to the report of the Defense Conversion Commission, *Adjusting to the Drawdown*, explicitly considers the impacts of DoD employment, purchases, and induced effects upon local economies.

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report.<sup>2</sup> That report was based upon the President's February 1991 budget submission; it did *not* include the effects of Operations Desert Shield and Desert Storm. The President's February 1991 budget submission contained a projection for 1997 defense spending in the Future Years Defense Program. The data in the DEIMS report were on the basis of *calendar* years (CY) (as opposed to the more commonly used fiscal year). It is also important to note that defense outlays in any given year partially reflect budget authority from several prior years. During buildups and build-downs, defense outlays tend to lag budget authority. Finally, because defense budget authority for FY93 to FY97 was reduced 3 percent in the President's January 1992 budget submission and may be further reduced by Congress as FY97 approaches, the 1991 DEIMS estimates probably *understate* the decline in defense spending that is likely to occur between 1991 and 1997.

## MAJOR FINDINGS

DoD buys more from the manufacturing sector than from any other sector. For example, 61.2 percent of DoD's direct and indirect purchases and 51.1 percent of defense-related jobs are concentrated in the manufacturing sector (see Table 1-1). In comparison, 20.3 percent of all private-sector "payroll" employment in 1990 was in manufacturing.<sup>3</sup> While DoD spending accounts for 3.4 percent of private-sector payroll employment, DoD generates 8.7 percent of the jobs in the manufacturing sector. Of 65 industry groupings into which DEIMS subdivides the private-sector economy, 9 are dependent upon DoD for more than 10 percent of their employment (see Table 1-2). Only 7 industry groupings will lose more than 5 percent of their employment because of defense downsizing. All of the most defense-dependent and heavily impacted industries are in the manufacturing sector.

Similarly, most DoD purchases from the private sector and the associated employment are concentrated in a handful of states.

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<sup>2</sup>Washington Headquarters Services, Directorate of Information Operations and Reports, *Projected Defense Purchases, Detail by Industry and State: Calendar Years 1991 through 1997*, U.S. Government Printing Office, Washington, D.C., November 1991.

<sup>3</sup>Max L. Carey and James C. Franklin, "Industry output and job growth continues slow into next century," *Outlook: 1990-2005* [Bureau of Labor Statistics (BLS) Bulletin 2402], May 1992, p. 44. To estimate private-sector "payroll" employment, governmental employment was subtracted from and agricultural employment was added to nonfarm wage and salary employment. Private household workers, nonagricultural self-employed, and unpaid family workers were not included.

**TABLE 1-1***Defense Purchases and Defense-Related Employment for CY91*

| Sector                              | Direct purchases<br>(1993 \$M) | Indirect purchases<br>(1993 \$M) | DoD total purchases<br>(1993 \$M) | Percent of DoD total | Rank | Defense-related employment | Percent of defense-related total | Rank |
|-------------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------|------|----------------------------|----------------------------------|------|
| Manufacturing                       | 127,307                        | 85,755                           | 213,062                           | 61.2                 | 1    | 1,656,777                  | 51.1                             | 1    |
| Services                            | 28,474                         | 32,909                           | 61,383                            | 17.6                 | 2    | 834,406                    | 25.7                             | 2    |
| Transportation/<br>public utilities | 9,163                          | 16,387                           | 25,550                            | 7.3                  | 3    | 276,055                    | 8.5                              | 3    |
| Finance/insurance/<br>real estate   | 922                            | 13,349                           | 14,271                            | 4.1                  | 4    | 106,210                    | 3.3                              | 6    |
| Construction                        | 9,055                          | 3,344                            | 12,399                            | 3.6                  | 5    | 131,863                    | 4.1                              | 5    |
| Wholesale trade                     | 1,253                          | 9,375                            | 10,628                            | 3.1                  | 6    | 168,174                    | 5.2                              | 4    |
| Mining                              | 1                              | 7,891                            | 7,892                             | 2.3                  | 7    | 41,619                     | 1.3                              | 7    |
| Agriculture                         | 255                            | 1,776                            | 2,031                             | 0.6                  | 8    | 14,461                     | 0.4                              | 8    |
| Retail trade                        | 190                            | 656                              | 846                               | 0.2                  | 9    | 13,387                     | 0.4                              | 9    |
| Total                               | 176,620                        | 171,442                          | 348,062                           | 100.0                | —    | 3,242,952                  | 100.0                            | —    |

Source: 1991 DEIMS.

Note: Because of double counting, direct plus indirect purchases exceed outlays.

**TABLE 1-2***Industry Groupings with Highest Defense Dependence and Impact*

| Industry grouping   | Defense-related employment relative to total employment (percent) | Rank | Reduction in defense-related employment between 1991 and 1997 relative to total employment (percent) | Rank |
|---|---|------|--|------|
| Missiles, tanks, and ordnance                                   | 105.7 <sup>a</sup>  | 1    | — 35.9   | 1    |
| Ships, boats, and railroad equipment                            | 50.1  | 2    | — 23.3   | 2    |
| Communication/search and navigation equipment                   | 49.6  | 3    | — 20.6   | 3    |
| Aircraft, aircraft engines and parts, missile engines and parts | 34.2  | 4    | — 10.9   | 4    |
| Electronic components   | 16.5  | 5    | — 7.1  | 5    |
| Scientific/medical equipment                                    | 15.3  | 6    | — 5.8  | 7    |
| Engines and turbines  | 11.0  | 7    | — 6.4  | 6    |
| Electrical industrial equipment                                 | 11.0  | 8    | — 4.0  | 10   |
| Construction/mining equipment                                   | 10.7  | 9    | — 4.4  | 8    |
| Chemicals/products  | 9.8   | 10   | — 3.4  | 13   |

Sources: 1991 DEIMS and BLS Bulletin 2402, *Outlook: 1990–2005*, May 1992, pp. 56–60.<sup>a</sup> Apparent overestimate by DEIMS.

Fifty-nine percent of DoD's direct and indirect purchases and 59.4 percent of defense-related jobs are concentrated in 10 states (see Table 1-3). Of 51 states (Washington, D.C. is included), 6 states are dependent upon DoD purchases for between 5 and 8.3 percent of their nonfarm private-sector payroll employment (see Table 1-4). Only 5 states will lose more than 1.5 percent of their nonfarm private-sector payroll employment because of defense downsizing.

**TABLE 1-3**  
*Selected Purchases and Employment by State for CY91*

| State          | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of DoD total | Rank | Defense-related employment | Percent of defense-related total | Rank |
|----------------|-----------------------------|-------------------------------|--------------------------------|----------------------|------|----------------------------|----------------------------------|------|
| California     | 38,848                      | 24,513                        | 63,361                         | 18.5                 | 1    | 584,987                    | 18.0                             | 1    |
| Texas          | 10,549                      | 12,115                        | 22,664                         | 6.6                  | 2    | 200,077                    | 6.2                              | 3    |
| New York       | 10,727                      | 10,919                        | 21,646                         | 6.3                  | 3    | 217,459                    | 6.7                              | 2    |
| Massachusetts  | 9,494                       | 6,598                         | 16,092                         | 4.7                  | 4    | 159,292                    | 4.9                              | 5    |
| Virginia       | 9,626                       | 5,724                         | 15,349                         | 4.5                  | 5    | 165,942                    | 5.1                              | 4    |
| Ohio           | 6,163                       | 8,278                         | 14,442                         | 4.2                  | 6    | 126,233                    | 3.9                              | 7    |
| Florida        | 7,622                       | 5,774                         | 13,395                         | 3.9                  | 7    | 131,923                    | 4.1                              | 6    |
| Pennsylvania   | 5,548                       | 7,600                         | 13,149                         | 3.8                  | 8    | 123,252                    | 3.8                              | 8    |
| Connecticut    | 6,981                       | 4,618                         | 11,599                         | 3.4                  | 9    | 112,531                    | 3.5                              | 9    |
| New Jersey     | 4,867                       | 5,577                         | 10,444                         | 3.0                  | 10   | 103,325                    | 3.2                              | 10   |
| Subtotal       | 110,425                     | 91,716                        | 202,142                        | 59.0                 | —    | 1,925,021                  | 59.4                             | —    |
| 51 state total | 174,422                     | 168,084                       | 342,506                        | 100.0                | —    | 3,241,582                  | 100.0                            | —    |

Source: 1991 DEIMS.

**TABLE 1-4**  
*States with Highest Defense Dependence and Impact*

| State                | Defense-related employment relative to nonfarm private-sector payroll employment (percent) | Rank | Reduction in defense-related employment between 1991 and 1997 relative to nonfarm private-sector payroll employment (percent) | Rank |
|----------------------|--|------|---|------|
| Connecticut          | 8.3  | 1    | -2.8  | 1    |
| Virginia             | 7.4  | 2    | -2.1  | 2    |
| Massachusetts        | 6.5  | 3    | -1.9  | 3    |
| California           | 5.6  | 4    | -1.7  | 5    |
| Maryland             | 5.5  | 5    | -1.3  | 10   |
| Mississippi          | 5.2  | 6    | -1.8  | 4    |
| District of Columbia | 4.9  | 7    | -0.9  | 27   |
| Missouri             | 4.9  | 8    | -1.3  | 11   |
| Arizona              | 4.8  | 9    | -1.4  | 8    |
| Colorado             | 4.6  | 10   | -1.2  | 14   |

Sources: 1991 DEIMS and BLS, *Employment and Earnings*, Vol. 39, No. 5, May 1992, pp. 132-149.

Defense purchases are concentrated in relatively few counties. For example, the top 20 counties received 43.5 percent of the defense prime contracts valued over \$25,000 that were awarded in 1991 (see Table 1-5).

**TABLE 1-5**

*Top 20 Counties Receiving the Largest Dollar Value of Prime Contract Awards in FY91*

| County               | State                | Value of awards<br>(1993 \$ billions) | Cumulative<br>percentage<br>of total awards |
|----------------------|----------------------|---------------------------------------|---|
| Los Angeles          | California           | 10.6                                  | 8.2   |
| St. Louis (city)     | Missouri             | 5.7                                   | 12.6  |
| Tarrant              | Texas                | 4.0                                   | 15.7  |
| Santa Clara          | California           | 3.8                                   | 18.6  |
| Middlesex            | Massachusetts        | 3.5                                   | 21.2  |
| Nassau               | New York             | 3.3                                   | 23.7  |
| Orange               | California           | 2.9                                   | 25.9  |
| Essex                | Massachusetts        | 2.7                                   | 28.0  |
| San Diego            | California           | 2.5                                   | 30.0  |
| Collin               | Texas                | 2.4                                   | 31.8  |
| New London           | Connecticut          | 2.4                                   | 33.6  |
| Fairfax              | Virginia             | 2.3                                   | 35.4  |
| Denver               | Colorado             | 1.9                                   | 36.8  |
| Fairfield            | Connecticut          | 1.6                                   | 38.1  |
| Hamilton             | Ohio                 | 1.4                                   | 39.1  |
| Orange               | Florida              | 1.2                                   | 40.0  |
| District of Columbia | District of Columbia | 1.2                                   | 40.9  |
| Pima                 | Arizona              | 1.2                                   | 41.9  |
| Maricopa             | Arizona              | 1.2                                   | 42.7  |
| Hartford             | Connecticut          | 1.1                                   | 43.5  |

**Source:** Logistics Management Institute (LMI) analysis of the Defense Contract Action Data System (DD Form 350 data base).

Finally, we find that three of nine major occupational groupings are dependent upon DoD purchases of goods and services for between 5 and 6 percent of their private-sector payroll employment (see Table 1-6). We estimate that only three occupations (technicians and related support, precision production, and professional speciality – which includes engineers and scientists) will suffer more than a 1.5 percent reduction in jobs as a result of defense downsizing between 1991 and 1997.



TABLE 1-6

*Occupational Dependence and Impact*

| Occupational grouping                     | Defense-related employment as a share of private-sector payroll employment (percent) | Rank | Reduction in defense-related employment between 1991 and 1997 relative to private-sector payroll employment (percent) | Rank |
|---|--|------|---|------|
| Technicians and related support           | 6.0  | 1    | -1.9  | 1    |
| Precision production                      | 5.4  | 2    | -1.8  | 2    |
| Professional speciality                   | 5.1  | 3    | -1.5  | 3    |
| Executive, administrative, and managerial | 4.2  | 4    | -1.3  | 4    |
| Operators, fabricators, and laborers      | 3.3  | 5    | -1.1  | 5    |
| Administrative support including clerical | 3.2  | 6    | -0.9  | 6    |
| Service occupations                       | 1.9  | 7    | -0.4  | 7    |
| Marketing and sales                       | 1.2  | 8    | -0.3  | 8    |
| Agriculture, forestry, and fishing        | 0.7  | 9    | -0.2  | 9    |

Sources: 1991 DEIMS and BLS, *Outlook: 1990 - 2005*, Industry-Occupation Matrices (data diskette), May 1992.

## GUIDE TO REPORT CONTENTS

In the balance of the report, we show the impact of DoD purchases on industries, associated employment, and the projected decline in defense-related employment between 1991 and 1997. Chapter 2 analyzes industry impacts. Chapter 3 discusses the impact of defense expenditures on states and Chapter 4 discusses that impact on counties. Finally, in Chapter 5 we explore the impact of DoD's purchases and the projected defense spending decline on various occupations.

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## CHAPTER 2

# Industry Analysis

## METHODOLOGY

The DEIMS is an analytical tool that was developed by the Economic Analysis and Resource Planning Division of the OSD's Office of PA&E. The objective of DEIMS is to estimate the impacts of defense spending on industries, employment, and states. Ironically, it grew out of a concern during the early 1980s that rapidly increasing defense expenditures would create bottlenecks as capacity was reached in certain sectors thereby fueling inflation and/or creating shortages.

The DEIMS translator module converts budget authority into fund outlays (DoD "direct" purchases) and distributes those outlays to industries. An input-output module then estimates the economy-wide production of goods and services required to support defense spending (i.e., DoD total purchases). The differences between total and direct purchases are classified as DoD "indirect" purchases. The distinction between direct and indirect DoD purchases is significant. For example, DoD buys a large quantity of products from the shipbuilding and aircraft industries directly, but purchases comparatively little from those industries indirectly. Conversely, although DoD buys very little steel and few semiconductors directly, it buys a large quantity of them indirectly since they are embodied in defense major end items such as ships and aircraft.

The DEIMS has two other components. The labor forecasting module of DEIMS (LDEIMS) estimates employment generated through DoD's direct and indirect purchases. One shortcoming of an input-output methodology like the one used by DEIMS is that double counting inevitably occurs. This problem arises because shipments of subcomponents such as landing gear and jet engines that are counted in indirect purchases are also included in the direct purchases of aircraft. To overcome double counting, LDEIMS estimates domestic defense-related employment by dividing DoD total purchases (after first netting out imports) by shipments per worker. The Regional DEIMS (RDEIMS) module distributes DoD's direct and indirect purchases and the associated employment to the state level. The Defense Contract Action

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Data System (DD Form 350 data base) is the primary basis for allocating DoD direct demand to the states. Indirect defense expenditures are distributed among the states on the basis of state shares of total employment in each of the sectors.<sup>1</sup>

## DEFENSE PURCHASES IN 1991

The DoD's private-sector spending is concentrated in a relatively small number of industries (Table 2-1). Of a total of 426 private-sector industries defined by the DEIMS, 101 account for 90 percent of DoD's direct and indirect purchases. The second largest DEIMS category entitled "Other business services, NEC" consists of services for dwellings and buildings, miscellaneous repair shops, detective services, photography labs, photocopying, photography, and other business services. Some other DEIMS categories that represent a significant proportion of DoD purchases but are not commonly considered defense industries per se include wholesale trade, real estate operators, eating and drinking places, and banking. The essential point, captured so elegantly by DEIMS, is that a dollar's worth of a B-1 bomber includes not only the airframe, landing gear, and avionics, but also indirect expenses such as building rents and maintenance, electric utilities, business travel, communications, banking, and insurance services.

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<sup>1</sup>More detailed information on the DEIMS methodology can be obtained from *Defense Purchases: An Introduction to DEIMS*, *Defense-Related Employment of Skilled Labor: An Introduction to LDEIMS*, and *State-Level Projections of Potential Defense Outlays: An Introduction to RDEIMS*. Copies of these documents may be obtained from the Office of Industrial Base Assessment, Two Skyline Place, Suite 1406, 5203 Leesburg Pike, Falls Church, Virginia, 22041-3466.

TABLE 2-1

*Estimated 1991 DoD Purchases: Top 101 Industries*

| DEIMS | Industry <sup>a</sup>                          | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|--|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 333   | Communication/search and navigation equipment  | 32,650                      | 5,784                         | 38,434                         | 11.0             | 11.0                 | 1    |
| 406   | Other business services, NEC                   | 14,582                      | 3,112                         | 17,694                         | 5.1              | 16.1                 | 2    |
| 351   | Aircraft                                       | 17,121                      | 70                            | 17,191                         | 4.9              | 21.1                 | 3    |
| 50    | Complete guided missiles                       | 15,910                      | 33                            | 15,943                         | 4.6              | 25.6                 | 4    |
| 353   | Aircraft/missile parts and equipment, NEC      | 6,357                       | 5,718                         | 12,075                         | 3.5              | 29.1                 | 5    |
| 392   | Wholesale trade                                | 1,253                       | 9,375                         | 10,628                         | 3.1              | 32.2                 | 6    |
| 354   | Shipbuilding and repairing                     | 9,085                       | 96                            | 9,181                          | 2.6              | 34.8                 | 7    |
| 398   | Real estate operators, owners, and lessors     | 920                         | 8,058                         | 8,978                          | 2.6              | 37.4                 | 8    |
| 403   | Computer and data processing                   | 1,383                       | 7,028                         | 8,411                          | 2.4              | 39.8                 | 9    |
| 352   | Aircraft/missile engines and parts             | 4,925                       | 2,395                         | 7,320                          | 2.1              | 41.9                 | 10   |
| 413   | Engineering, architecture, and surveying       | 3,413                       | 2,330                         | 5,743                          | 1.6              | 43.6                 | 11   |
| 389   | Electric utilities                             | 1,777                       | 3,718                         | 5,495                          | 1.6              | 45.1                 | 12   |
| 340   | Electronic components, NEC                     | 694                         | 4,796                         | 5,490                          | 1.6              | 46.7                 | 13   |
| 188   | Petroleum refining                             | 2,678                       | 2,688                         | 5,366                          | 1.5              | 48.3                 | 14   |
| 49    | Maintenance and repair construction, public    | 5,115                       | 142                           | 5,257                          | 1.5              | 49.8                 | 15   |
| 168   | Inorganic and organic chemicals                | 1,349                       | 3,438                         | 4,787                          | 1.4              | 51.1                 | 16   |
| 223   | Blast furnaces and steel mills                 | 34                          | 4,656                         | 4,690                          | 1.3              | 52.5                 | 17   |
| 404   | Management, consulting, and labs               | 1,517                       | 2,871                         | 4,388                          | 1.3              | 53.7                 | 18   |
| 19    | Crude petroleum                                | 0                           | 4,311                         | 4,311                          | 1.2              | 55.0                 | 19   |
| 382   | Motor freight                                  | 1,671                       | 2,450                         | 4,121                          | 1.2              | 56.2                 | 20   |
| 415   | Eating and drinking places                     | 493                         | 3,612                         | 4,105                          | 1.2              | 57.3                 | 21   |
| 384   | Air carriers and related services              | 1,742                       | 2,351                         | 4,093                          | 1.2              | 58.5                 | 22   |
| 335   | Semiconductors                                 | 204                         | 3,879                         | 4,083                          | 1.2              | 59.7                 | 23   |
| 405   | Equipment rental and leasing                   | 1,411                       | 2,465                         | 3,876                          | 1.1              | 60.8                 | 24   |
| 197   | Miscellaneous plastic products                 | 4                           | 3,651                         | 3,655                          | 1.1              | 61.9                 | 25   |
| 51    | Ammunition, except small arms, NEC             | 3,558                       | 65                            | 3,623                          | 1.0              | 62.9                 | 26   |
| 387   | Communications, except radio and TV            | 1,032                       | 2,459                         | 3,491                          | 1.0              | 63.9                 | 27   |
| 361   | Engineering and scientific instruments         | 3,133                       | 115                           | 3,248                          | 0.9              | 64.8                 | 28   |
| 303   | Electronic computing equipment                 | 2,677                       | 461                           | 3,138                          | 0.9              | 65.7                 | 29   |
| 424   | Educational services                           | 3,002                       | 129                           | 3,131                          | 0.9              | 66.6                 | 30   |
| 394   | Banking  | 0                           | 2,850                         | 2,850                          | 0.8              | 67.5                 | 31   |
| 48    | Maintenance and repair, private nonresidential | 0                           | 2,809                         | 2,809                          | 0.8              | 68.3                 | 32   |
| 383   | Water transportation and related services      | 1,835                       | 895                           | 2,730                          | 0.8              | 69.0                 | 33   |
| 52    | Tanks and tank components                      | 1,693                       | 992                           | 2,685                          | 0.8              | 69.8                 | 34   |
| 399   | Hotels and lodging places                      | 1,090                       | 1,492                         | 2,582                          | 0.7              | 70.6                 | 35   |
| 390   | Gas utilities                                  | 417                         | 2,016                         | 2,433                          | 0.7              | 71.3                 | 36   |
| 312   | Electric measuring instruments                 | 1,407                       | 584                           | 1,991                          | 0.6              | 71.8                 | 37   |

Source: 1991 DEIMS.

Notes: Because of double counting, direct plus indirect purchases exceed outlays. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE 2-1

*Estimated 1991 DoD Purchases: Top 101 Industries (Continued)*

| DEIMS | Industry <sup>a</sup>                                | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|--|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 412   | Legal services                                       | 11                          | 1,769                         | 1,780                          | 0.5              | 72.3                 | 38   |
| 302   | Miscellaneous machinery                              | 18                          | 1,751                         | 1,769                          | 0.5              | 72.9                 | 39   |
| 350   | Motor vehicle parts and accessories                  | 919                         | 838                           | 1,757                          | 0.5              | 73.4                 | 40   |
| 362   | Measuring and control instruments                    | 1,243                       | 482                           | 1,725                          | 0.5              | 73.9                 | 41   |
| 178   | Plastic materials and resins                         | 0                           | 1,638                         | 1,638                          | 0.5              | 74.3                 | 42   |
| 396   | Insurance carriers and agents                        | 2                           | 1,583                         | 1,585                          | 0.5              | 74.8                 | 43   |
| 253   | Fabricated plate work (boilershop)                   | 1,382                       | 181                           | 1,563                          | 0.4              | 75.2                 | 44   |
| 55    | Guns, howitzers, mortars, etc.                       | 1,279                       | 241                           | 1,520                          | 0.4              | 75.7                 | 45   |
| 284   | Special dies, tools, and accessories                 | 253                         | 1,265                         | 1,518                          | 0.4              | 76.1                 | 46   |
| 349   | Other motor vehicles                                 | 1,494                       | 13                            | 1,507                          | 0.4              | 76.5                 | 47   |
| 414   | Accounting, auditing, and miscellaneous professional | 29                          | 1,367                         | 1,396                          | 0.4              | 76.9                 | 48   |
| 281   | Industrial trucks and tractors                       | 1,228                       | 120                           | 1,348                          | 0.4              | 77.3                 | 49   |
| 239   | Aluminum rolling and drawing                         | 0                           | 1,325                         | 1,325                          | 0.4              | 77.7                 | 50   |
| 53    | Small arms   | 1,233                       | 53                            | 1,286                          | 0.4              | 78.1                 | 51   |
| 257   | Screw machine products                               | 360                         | 924                           | 1,284                          | 0.4              | 78.4                 | 52   |
| 425   | Nonprofit organizations                              | 880                         | 400                           | 1,280                          | 0.4              | 78.8                 | 53   |
| 380   | Railroads and rail-related services                  | 502                         | 759                           | 1,261                          | 0.4              | 79.2                 | 54   |
| 315   | Motors and generators                                | 649                         | 609                           | 1,258                          | 0.4              | 79.5                 | 55   |
| 272   | Internal combustion engines, NEC                     | 675                         | 579                           | 1,254                          | 0.4              | 79.9                 | 56   |
| 417   | Auto repair, parking, and washing                    | 15                          | 1,176                         | 1,191                          | 0.3              | 80.2                 | 57   |
| 20    | Natural gas  | 0                           | 1,168                         | 1,168                          | 0.3              | 80.6                 | 58   |
| 241   | Nonferrous wire drawing and insulating               | 0                           | 1,164                         | 1,164                          | 0.3              | 80.9                 | 59   |
| 27    | New industrial buildings                             | 1,085                       | 0                             | 1,085                          | 0.3              | 81.2                 | 60   |
| 363   | Surgical and medical instruments                     | 1,045                       | 16                            | 1,061                          | 0.3              | 81.5                 | 61   |
| 28    | New office buildings                                 | 1,051                       | 0                             | 1,051                          | 0.3              | 81.8                 | 62   |
| 23    | New residential single family housing                | 1,022                       | 0                             | 1,022                          | 0.3              | 82.1                 | 63   |
| 416   | Auto rental and leasing                              | 145                         | 874                           | 1,019                          | 0.3              | 82.4                 | 64   |
| 402   | Personnel supply services                            | 0                           | 1,011                         | 1,011                          | 0.3              | 82.7                 | 65   |
| 18    | Coal mining  | 0                           | 956                           | 956                            | 0.3              | 83.0                 | 66   |
| 235   | Primary aluminum                                     | 0                           | 903                           | 903                            | 0.3              | 83.2                 | 67   |
| 145   | Paper mills, except building paper                   | 17                          | 843                           | 860                            | 0.2              | 83.5                 | 68   |
| 395   | Credit agencies and securities brokers               | 0                           | 858                           | 858                            | 0.2              | 83.7                 | 69   |
| 367   | Optical instruments and lenses                       | 547                         | 307                           | 854                            | 0.2              | 84.0                 | 70   |
| 411   | Other advertising (including signs/direct mail)      | 1                           | 850                           | 851                            | 0.2              | 84.2                 | 71   |
| 275   | Construction machinery                               | 424                         | 425                           | 849                            | 0.2              | 84.5                 | 72   |

Source: 1991 DEIMS.

Notes: Because of double counting, direct plus indirect purchases exceed outlays. NEC=not elsewhere classified

<sup>a</sup> We modified some DEIMS titles to better describe the industry

TABLE 2-1

*Estimated 1991 DoD Purchases: Top 101 Industries (Continued)*

| DEIMS | Industry <sup>a</sup>                   | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|---|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 232   | Primary copper                          | 0                           | 847                           | 847                            | 0.2              | 84.7                 | 73   |
| 393   | Retail trade                            | 190                         | 656                           | 846                            | 0.2              | 84.9                 | 74   |
| 339   | Connectors, for electronic applications | 0                           | 835                           | 835                            | 0.2              | 85.2                 | 75   |
| 282   | Machine tools, metal cutting            | 666                         | 157                           | 823                            | 0.2              | 85.4                 | 76   |
| 155   | Paperboard containers and boxes         | 39                          | 783                           | 822                            | 0.2              | 85.7                 | 77   |
| 238   | Copper rolling and drawing              | 209                         | 610                           | 819                            | 0.2              | 85.9                 | 78   |
| 391   | Water and sewer services                | 99                          | 697                           | 796                            | 0.2              | 86.1                 | 79   |
| 259   | Other metal stampings                   | 0                           | 777                           | 777                            | 0.2              | 86.3                 | 80   |
| 369   | Photographic equipment and supplies     | 339                         | 399                           | 738                            | 0.2              | 86.6                 | 81   |
| 228   | Iron and steel foundries                | 0                           | 736                           | 736                            | 0.2              | 86.8                 | 82   |
| 300   | General industrial machinery, NEC       | 612                         | 112                           | 724                            | 0.2              | 87.0                 | 83   |
| 264   | Plating and polishing                   | 0                           | 657                           | 657                            | 0.2              | 87.2                 | 84   |
| 407   | Newspaper (national, local, classified) | 0                           | 656                           | 656                            | 0.2              | 87.4                 | 85   |
| 332   | Telephone and telegraph equipment       | 468                         | 187                           | 655                            | 0.2              | 87.5                 | 86   |
| 56    | Meat packing plants                     | 452                         | 199                           | 651                            | 0.2              | 87.7                 | 87   |
| 268   | Pipe, valves, and pipe fittings         | 75                          | 558                           | 633                            | 0.2              | 87.9                 | 88   |
| 364   | Surgical appliances and supplies        | 532                         | 96                            | 628                            | 0.2              | 88.1                 | 89   |
| 294   | Pumps and compressors                   | 216                         | 403                           | 619                            | 0.2              | 88.3                 | 90   |
| 161   | Commercial printing                     | 25                          | 573                           | 598                            | 0.2              | 88.4                 | 91   |
| 3     | Livestock                               | 0                           | 592                           | 592                            | 0.2              | 88.6                 | 92   |
| 104   | Broadwoven fabric plants                | 48                          | 542                           | 590                            | 0.2              | 88.8                 | 93   |
| 271   | Steam engines and turbines              | 406                         | 174                           | 580                            | 0.2              | 89.0                 | 94   |
| 242   | Aluminum castings                       | 0                           | 570                           | 570                            | 0.2              | 89.1                 | 95   |
| 298   | Power transmission equipment            | 87                          | 471                           | 558                            | 0.2              | 89.3                 | 96   |
| 381   | Passenger transportation, NEC           | 50                          | 504                           | 554                            | 0.2              | 89.4                 | 97   |
| 196   | Fabricated rubber products, NEC         | 71                          | 479                           | 550                            | 0.2              | 89.6                 | 98   |
| 254   | Sheet metal work                        | 0                           | 543                           | 543                            | 0.2              | 89.7                 | 99   |
| 229   | Iron and steel forgings                 | 123                         | 396                           | 519                            | 0.1              | 89.9                 | 100  |
| 116   | Fabricated textile products, NEC        | 328                         | 190                           | 518                            | 0.1              | 90.0                 | 101  |

Source: 1991 DEIMS.

Notes: Because of double counting, direct plus indirect purchases exceed outlays. NEC = not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

Table 2-2 is a sector summary of DoD purchases and is based upon the full 426 industries (see Appendix A). It indicates that DoD is heavily dependent upon the goods-producing sectors of the economy because its purchases are drawn primarily from manufacturing. Over 70 percent of direct purchases, 50 percent of indirect purchases, and 60 percent of total DoD purchases are from manufacturers.

**TABLE 2-2***Estimated 1991 DoD Purchases: Sector Summary*

| Sector                          | Direct purchases<br>(1993 \$M) | Indirect purchases<br>(1993 \$M) | DoD total purchases<br>(1993 \$M) | Percent of total | Cumulative (percent) |
|---------------------------------|--------------------------------|----------------------------------|-----------------------------------|------------------|----------------------|
| Manufacturing                   | 127,307                        | 85,755                           | 213,062                           | 61.2             | 61.2                 |
| Services                        | 28,474                         | 32,909                           | 61,383                            | 17.6             | 78.8                 |
| Transportation/public utilities | 9,163                          | 16,387                           | 25,550                            | 7.3              | 86.2                 |
| Finance/insurance/real estate   | 922                            | 13,349                           | 14,271                            | 4.1              | 90.3                 |
| Construction                    | 9,055                          | 3,344                            | 12,399                            | 3.6              | 93.9                 |
| Wholesale trade                 | 1,253                          | 9,375                            | 10,628                            | 3.1              | 96.9                 |
| Mining                          | 1                              | 7,891                            | 7,892                             | 2.3              | 99.2                 |
| Agriculture                     | 255                            | 1,776                            | 2,031                             | 0.6              | 99.8                 |
| Retail trade                    | 190                            | 656                              | 846                               | 0.2              | 100.0                |
| Total                           | 176,620                        | 171,442                          | 348,062                           | 100.0            | 100.0                |

*Source:* 1991 DEIMS.*Note:* Because of double counting, direct plus indirect purchases exceed outlays.

## DEFENSE-RELATED EMPLOYMENT IN 1991

Estimates of defense-related employment by industry grouping are shown in Table 2-3. LDEIMS estimates that there were 3.2 million private-sector defense-related jobs in 1991. This figure implies that approximately 3.4 percent of all workers on private-sector payrolls produced goods and services for DoD, either directly or indirectly. We divided defense-related jobs by private-sector payroll employment in 1990 to determine the relative significance of DoD's direct and indirect purchases to each industry grouping. The 10 most heavily defense-dependent industry groupings are all in the manufacturing sector of the economy. This finding is reinforced in Table 2-4, which is a summary of defense-related jobs by major employing sector.

TABLE 2-3

*Estimated 1991 Defense-Related Employment by Industry Grouping*

| LDEIMS industry grouping <sup>a</sup>                           | Defense-related employment | Total employment in 1990 | Defense-related ÷ total (percent) | Rank |
|---|----------------------------|--------------------------|-----------------------------------|------|
| Missiles, tanks, and ordnance                                   | 230,317                    | 218,000                  | 105.7 <sup>b</sup>                | 1    |
| Ships, boats, and railroad equipment                            | 110,136                    | 220,000                  | 50.1                              | 2    |
| Communication/search and navigation equipment                   | 312,761                    | 630,000                  | 49.6                              | 3    |
| Aircraft, aircraft engines and parts, missile engines and parts | 259,636                    | 759,000                  | 34.2                              | 4    |
| Electronic components   | 95,948                     | 581,000                  | 16.5                              | 5    |
| Scientific/medical equipment                                    | 88,810                     | 579,000                  | 15.3                              | 6    |
| Engines and turbines  | 9,831                      | 89,000                   | 11.0                              | 7    |
| Electrical industrial equipment                                 | 29,204                     | 266,000                  | 11.0                              | 8    |
| Construction/mining equipment                                   | 15,661                     | 146,000                  | 10.7                              | 9    |
| Chemicals/products  | 44,328                     | 452,000                  | 9.8                               | 10   |
| Nonferrous metals manufacturing                                 | 32,824                     | 349,000                  | 9.4                               | 11   |
| Ferrous/nonferrous mining                                       | 5,459                      | 59,000                   | 9.3                               | 12   |
| Primary iron/steel manufacturing                                | 36,593                     | 407,000                  | 9.0                               | 13   |
| General industrial equipment                                    | 21,496                     | 248,000                  | 8.7                               | 14   |
| Miscellaneous machinery (except electrical)                     | 26,152                     | 317,000                  | 8.2                               | 15   |
| Materials handling/metalworking machines                        | 31,736                     | 412,000                  | 7.7                               | 16   |
| Business services   | 664,782                    | 8,800,000                | 7.6                               | 17   |
| Office/computing equipment                                      | 32,846                     | 439,000                  | 7.5                               | 18   |
| Heating/plumbing/metal work                                     | 33,770                     | 487,000                  | 6.9                               | 19   |
| Screw machine products/stampings                                | 18,747                     | 281,000                  | 6.7                               | 20   |
| Crude petroleum/natural gas                                     | 24,427                     | 394,000                  | 6.2                               | 21   |
| Transportation/warehousing                                      | 215,163                    | 3,554,000                | 6.1                               | 22   |
| Other fabricated metal products                                 | 30,055                     | 529,000                  | 5.7                               | 23   |
| Optical/photo equipment   | 7,434                      | 142,000                  | 5.2                               | 24   |
| Stone/clay/fertilizer mining                                    | 5,073                      | 111,000                  | 4.6                               | 25   |
| Petroleum refining  | 7,112                      | 158,000                  | 4.5                               | 26   |
| Coal mining   | 6,659                      | 148,000                  | 4.5                               | 27   |
| Household appliances  | 5,531                      | 125,000                  | 4.4                               | 28   |
| Rubber/products   | 33,777                     | 889,000                  | 3.8                               | 29   |
| Stone/clay products   | 14,147                     | 398,000                  | 3.6                               | 30   |

Sources: 1991 DEIMS and BLS Bulletin 2402, *Outlook: 1990-2005*, May 1992, pp. 56-60.

<sup>a</sup> We modified some LDEIMS titles to better describe the industry grouping.

<sup>b</sup> Apparent overestimate by DEIMS.



TABLE 2-3

*Estimated 1991 Defense-Related Employment by Industry Grouping  
(Continued)*

| LDEIMS industry groupings <sup>a</sup>        | Defense-related employment | Total employment in 1990 | Defense-related ÷ total (percent) | Rank     |
|---|----------------------------|--------------------------|-----------------------------------|----------|
| Electric lighting/wiring                      | 6,418                      | 189,000                  | 3.4                               | 31       |
| Electric/gas/water utilities                  | 30,250                     | 961,000                  | 3.1                               | 32       |
| Communications (except radio/TV)              | 29,461                     | 947,000                  | 3.1                               | 33       |
| Real estate/rental                            | 37,976                     | 1,319,000                | 2.9                               | 34       |
| New/repair construction                       | 131,863                    | 5,136,000                | 2.6                               | 35       |
| Hotels/personal services                      | 72,784                     | 2,909,000                | 2.5                               | 36       |
| Paper and allied products                     | 12,032                     | 489,000                  | 2.5                               | 37       |
| Service industry equipment                    | 3,389                      | 177,000                  | 1.9                               | 39       |
| Glass/products                                | 2,728                      | 160,000                  | 1.7                               | 40       |
| Paperboard containers                         | 4,031                      | 210,000                  | 1.9                               | 38       |
| Lumber/wood products and containers           | 11,922                     | 741,000                  | 1.6                               | 41       |
| Printing/publishing                           | 25,112                     | 1,574,000                | 1.6                               | 42       |
| Fabric/yarn/thread mills                      | 7,608                      | 485,000                  | 1.6                               | 43       |
| Metal containers                              | 732                        | 50,000                   | 1.5                               | 44       |
| Paints/products                               | 886                        | 62,000                   | 1.4                               | 45       |
| Miscellaneous manufacturing                   | 5,301                      | 377,000                  | 1.4                               | 46       |
| Plastics/synthetics                           | 2,545                      | 181,000                  | 1.4                               | 47       |
| Motor vehicles/equipment                      | 11,854                     | 858,000                  | 1.4                               | 48       |
| Miscellaneous electrical machinery            | 2,266                      | 167,000                  | 1.4                               | 49       |
| Finance/insurance                             | 68,233                     | 5,420,000                | 1.3                               | 50       |
| Eating/drinking places                        | 71,907                     | 6,565,000                | 1.1                               | 51       |
| Automobile repair and services                | 10,116                     | 928,000                  | 1.1                               | 52       |
| Apparel/miscellaneous textile products        | 12,303                     | 1,249,000                | 1.0                               | 53       |
| Wholesale/retail trade                        | 181,561                    | 19,323,000               | 0.9                               | 54       |
| Special industrial equipment                  | 1,463                      | 159,000                  | 0.9                               | 55       |
| Farm/garden machinery                         | 973                        | 106,000                  | 0.9                               | 56       |
| Food/kindred products                         | 12,672                     | 1,668,000                | 0.8                               | 57       |
| Household furniture                           | 1,654                      | 291,000                  | 0.6                               | 58       |
| Other furniture                               | 1,107                      | 219,000                  | 0.5                               | 59       |
| Agriculture/forest/fish/agricultural services | 14,461                     | 3,276,000                | 0.4                               | 60       |
| Radio/TV broadcasting                         | 1,180                      | 364,000                  | 0.3                               | 61       |
| Footwear/leather products                     | 407                        | 132,000                  | 0.3                               | 62       |
| Drugs/cleaning/toilet                         | 520                        | 398,000                  | 0.1                               | 63       |
| Miscellaneous services                        | 14,818                     | 14,953,000               | 0.1                               | 64       |
| Tobacco manufacturers                         | 0                          | 49,000                   | 0.0                               | 65       |
| <b>Total</b>                                  | <b>3,242,952</b>           | <b>94,273,000</b>        | <b>3.4</b>                        | <b>-</b> |

Sources: 1991 DEIMS and BLS Bulletin 2402, *Outlook: 1990 - 2005*, May 1992, pp. 56 - 60.

<sup>a</sup> We modified some LDEIMS titles to better describe the industry grouping.

TABLE 2-4

*Estimated 1991 Defense-Related Employment: Sector Summary*

| Sector                          | Defense-related employment | Total employment in 1990 | Defense-related ÷ total (percent) |
|---------------------------------|----------------------------|--------------------------|-----------------------------------|
| Manufacturing                   | 1,656,777                  | 19,111,000               | 8.7                               |
| Mining                          | 41,619                     | 711,000                  | 5.8                               |
| Transportation/public utilities | 276,055                    | 5,826,000                | 4.7                               |
| Wholesale trade                 | 168,174                    | 6,205,000                | 2.7                               |
| Construction                    | 131,863                    | 5,136,000                | 2.6                               |
| Services <sup>a</sup>           | 834,406                    | 34,155,000               | 2.4                               |
| Finance/insurance/real estate   | 106,210                    | 6,739,000                | 1.6                               |
| Agriculture                     | 14,461                     | 3,276,000                | 0.4                               |
| Retail trade                    | 13,387                     | 13,118,000               | 0.1                               |
| Total                           | 3,242,952                  | 94,273,000               | 3.4                               |

Sources: 1991 DEIMS and BLS Bulletin 2402, *Outlook: 1990-2005*, May 1992, pp. 56-60.

<sup>a</sup> The DEIMS model includes eating/drinking places in the services sector. We followed this convention by shifting eating/drinking places from retail trade to services in the BLS data.

## PROJECTED CHANGE IN DEFENSE-RELATED EMPLOYMENT

According to LDEIMS, private-sector defense-related jobs are projected to decline to 2.3 million by 1997. We divided the projected change in jobs by payroll employment to determine the relative impact each industry grouping will face as defense spending is curtailed (see Table 2-5). While the decline in defense-related jobs is projected to be modest in comparison to the economy — slightly more than 1 percent of private-sector payroll employment — the impact varies quite dramatically among industry groupings. “Missiles, tanks and ordnance” suffer the largest relative decline while “Miscellaneous services” are impacted almost imperceptibly. The 10 most heavily impacted industry groupings are all in manufacturing. This finding is reiterated in Table 2-6, which is a summary of defense-related job losses by major employing sector.

TABLE 2-5

*Change in Defense-Related Employment by Industry Grouping: 1991 to 1997*

| LDEIMS industry grouping  | 1<br>1991<br>defense-<br>related<br>employ-<br>ment | 2<br>1997<br>defense-<br>related<br>employ-<br>ment | 3<br>Employ-<br>ment<br>change<br>(2 - 1) | 4<br>Total<br>employ-<br>ment in<br>1990 | Estimated<br>relative<br>job loss<br>(3 ÷ 4)<br>(percent) | Rank |
|---|---|---|---|--|---|------|
| Missiles, tanks, and ordnance                                   | 230,317   | 152,133   | -78,184                                   | 218,000                                  | -35.9   | 1    |
| Ships, boats, and railroad equipment                            | 110,136   | 58,855  | -51,282                                   | 220,000                                  | -23.3   | 2    |
| Communication/search and navigation equipment                   | 312,761   | 183,015   | -129,746                                  | 630,000                                  | -20.6   | 3    |
| Aircraft, aircraft engines and parts, missile engines and parts | 259,636   | 176,700   | -82,935                                   | 759,000                                  | -10.9   | 4    |
| Electronic components   | 95,948  | 54,980  | -40,968                                   | 581,000                                  | -7.1  | 5    |
| Engines and turbines  | 9,831   | 4,102   | -5,730                                    | 89,000                                   | -6.4  | 6    |
| Scientific/medical equipment                                    | 88,810  | 55,050  | -33,760                                   | 579,000                                  | -5.8  | 7    |
| Construction/mining equipment                                   | 15,661  | 9,253   | -6,408                                    | 146,000                                  | -4.4  | 8    |
| Primary iron/steel manufacturing                                | 36,593  | 19,739  | -16,854                                   | 407,000                                  | -4.1  | 9    |
| Electrical industrial equipment                                 | 29,204  | 18,438  | -10,766                                   | 266,000                                  | -4.0  | 10   |
| General industrial equipment                                    | 21,496  | 12,149  | -9,347                                    | 248,000                                  | -3.8  | 11   |
| Nonferrous metals manufacturing                                 | 32,824  | 20,689  | -12,136                                   | 349,000                                  | -3.5  | 12   |
| Chemicals/products  | 44,328  | 28,966  | -15,362                                   | 452,000                                  | -3.4  | 13   |
| Miscellaneous machinery (except electrical)                     | 26,152  | 15,393  | -10,759                                   | 317,000                                  | -3.4  | 14   |
| Materials handling/metalworking machines                        | 31,736  | 19,154  | -12,582                                   | 412,000                                  | -3.1  | 15   |
| Office/computing equipment                                      | 32,846  | 20,961  | -11,885                                   | 439,000                                  | -2.7  | 16   |
| Ferrous/nonferrous mining                                       | 5,459   | 4,130   | -1,330                                    | 59,000                                   | -2.3  | 17   |
| Crude petroleum/natural gas                                     | 24,427  | 15,899  | -8,528                                    | 394,000                                  | -2.2  | 18   |
| Screw machine products/stampings                                | 18,747  | 12,812  | -5,935                                    | 281,000                                  | -2.1  | 19   |
| Transportation/warehousing                                      | 215,163   | 141,486   | -73,677                                   | 3,554,000                                | -2.1  | 20   |
| Heating/plumbing/metal work                                     | 33,770  | 23,833  | -9,936                                    | 487,000                                  | -2.0  | 21   |
| Other fabricated metal products                                 | 30,055  | 20,788  | -9,268                                    | 529,000                                  | -1.8  | 22   |
| Coal mining   | 6,659   | 4,218   | -2,441                                    | 148,000                                  | -1.6  | 23   |
| Optical/photo equipment   | 7,434   | 5,110   | -2,324                                    | 142,000                                  | -1.6  | 24   |
| Petroleum refining  | 7,112   | 4,833   | -2,279                                    | 158,000                                  | -1.4  | 25   |
| Stone/clay/fertilizer mining                                    | 5,073   | 3,612   | -1,461                                    | 111,000                                  | -1.3  | 26   |
| Business services   | 664,782   | 552,496   | -112,286                                  | 8,800,000                                | -1.3  | 27   |
| Rubber/products   | 33,777  | 23,183  | -10,595                                   | 889,000                                  | -1.2  | 28   |
| Electric lighting/wiring  | 6,418   | 4,179   | -2,239                                    | 189,000                                  | -1.2  | 29   |
| Miscellaneous electrical machinery                              | 2,266   | 478   | -1,789                                    | 167,000                                  | -1.1  | 30   |
| Stone/clay products   | 14,147  | 10,004  | -4,143                                    | 398,000                                  | -1.0  | 31   |
| Household appliances  | 5,531   | 4,250   | -1,281                                    | 125,000                                  | -1.0  | 32   |
| Electric/gas/water utilities                                    | 30,250  | 21,216  | -9,034                                    | 961,000                                  | -0.9  | 33   |
| Communications (except radio/TV)                                | 29,461  | 21,027  | -8,434                                    | 947,000                                  | -0.9  | 34   |
| Paper and allied products                                       | 12,032  | 8,140   | -3,892                                    | 489,000                                  | -0.8  | 35   |
| Service industry equipment                                      | 3,389   | 2,123   | -1,266                                    | 177,000                                  | -0.7  | 36   |
| Fabric/yarn/thread mills  | 7,608   | 4,160   | -3,448                                    | 485,000                                  | -0.7  | 37   |
| Paperboard containers   | 4,031   | 2,594   | -1,437                                    | 210,000                                  | -0.7  | 38   |
| Real estate/rental  | 37,976  | 29,342  | -8,634                                    | 1,319,000                                | -0.7  | 39   |
| Glass/products  | 2,728   | 1,751   | -977                                      | 160,000                                  | -0.6  | 40   |
| Miscellaneous manufacturing                                     | 5,301   | 3,091   | -2,210                                    | 377,000                                  | -0.6  | 41   |
| Motor vehicles equipment  | 11,854  | 6,874   | -4,980                                    | 858,000                                  | -0.6  | 42   |
| Metal containers  | 732   | 468   | -264                                      | 50,000                                   | -0.5  | 43   |
| Plastics/synthetics   | 2,545   | 1,638   | -907                                      | 181,000                                  | -0.5  | 44   |
| Lumber/wood products and containers                             | 11,922  | 8,270   | -3,653                                    | 741,000                                  | -0.5  | 45   |

Sources: 1991 DEIMS and BLS Bulletin 2402, Outlook: 1990 - 2005, May 1992, pp. 56 - 60.

TABLE 2-5

*Change in Defense-Related Employment by Industry Grouping: 1991 to 1997 (Continued)*

| LDEIMS industry grouping                         | 1<br>1991<br>defense-<br>related<br>employ-<br>ment | 2<br>1997<br>defense-<br>related<br>employ-<br>ment | 3<br>Employ-<br>ment<br>change<br>(2 - 1) | 4<br>Total<br>employ-<br>ment in<br>1990 | Estimated<br>relative<br>job loss<br>(3 ÷ 4)<br>(percent) | Rank |
|--|---|---|---|--|---|------|
| Apparel/miscellaneous textile products           | 12,303  | 6,545   | - 5,758                                   | 1,249,000                                | - 0.5   | 46   |
| Special industrial equipment                     | 1,463   | 790   | - 673                                     | 159,000                                  | - 0.4   | 47   |
| Paints/products                                  | 886   | 635   | - 251                                     | 62,000                                   | - 0.4   | 48   |
| Printing/publishing                              | 25,112  | 19,353  | - 5,759                                   | 1,574,000                                | - 0.4   | 49   |
| Hotels/personal services                         | 72,784  | 62,731  | - 10,053                                  | 2,909,000                                | - 0.3   | 50   |
| Farm/garden machinery                            | 973   | 648   | - 325                                     | 106,000                                  | - 0.3   | 51   |
| New/repair construction                          | 131,863   | 116,538   | - 15,326                                  | 5,136,000                                | - 0.3   | 52   |
| Food/kindred products                            | 12,672  | 7,824   | - 4,848                                   | 1,668,000                                | - 0.3   | 53   |
| Finance/insurance                                | 68,233  | 54,174  | - 14,059                                  | 5,420,000                                | - 0.3   | 54   |
| Wholesale/retail trade                           | 181,561   | 134,840   | - 46,721                                  | 19,323,000                               | - 0.2   | 55   |
| Eating/drinking places                           | 71,907  | 56,796  | - 15,111                                  | 6,565,000                                | - 0.2   | 56   |
| Household furniture                              | 1,654   | 1,033   | - 621                                     | 291,000                                  | - 0.2   | 57   |
| Automobile repair and services                   | 10,116  | 8,291   | - 1,825                                   | 928,000                                  | - 0.2   | 58   |
| Footwear/leather products                        | 407   | 178   | - 229                                     | 132,000                                  | - 0.2   | 59   |
| Other furniture                                  | 1,107   | 736   | - 371                                     | 219,000                                  | - 0.2   | 60   |
| Agriculture/forest/fish/agricultural<br>services | 14,461  | 9,984   | - 4,476                                   | 3,276,000                                | - 0.1   | 61   |
| Radio/TV broadcasting                            | 1,180   | 812   | - 368                                     | 364,000                                  | - 0.1   | 62   |
| Drugs/cleaning/toilet                            | 520   | 372   | - 148                                     | 398,000                                  | 0.0   | 63   |
| Miscellaneous services                           | 14,818  | 11,346  | - 3,472                                   | 14,953,000                               | 0.0   | 64   |
| Tobacco manufacturers                            | 0   | 0   | 0   | 49,000                                   | 0.0   | 65   |
| Total  | 3,242,952   | 2,285,208   | - 957,744                                 | 94,273,000                               | - 1.0   | -    |

Sources: 1991 DEIMS and BLS Bulletin 2402, Outlook: 1990 - 2005, May 1992, pp. 56 - 60.

TABLE 2-6

*Change in Defense-Related Employment: Sector Summary for 1991 to 1997*

| Sector                          | 1<br>1991<br>defense-<br>related<br>employ-<br>ment | 2<br>1997<br>defense-<br>related<br>employ-<br>ment | 3<br>Employ-<br>ment<br>change<br>(2 - 1) | 4<br>Total<br>employ-<br>ment in<br>1990 | Estimated<br>relative job<br>loss (3 ÷ 4)<br>(percent) |
|---------------------------------|---|---|---|--|--|
| Manufacturing                   | 1,656,777   | 1,036,269   | -620,508                                  | 19,112,000                               | -3.2   |
| Mining                          | 41,619  | 27,860  | -13,760                                   | 712,000                                  | -1.9   |
| Transportation/public utilities | 276,055   | 184,542   | -91,513                                   | 5,826,000                                | -1.6   |
| Wholesale trade                 | 168,174   | 124,898   | -43,276                                   | 6,205,000                                | -0.7   |
| Services <sup>a</sup>           | 834,406   | 691,659   | -142,747                                  | 34,155,000                               | -0.4   |
| Finance/insurance/real estate   | 106,210   | 83,516  | -22,694                                   | 6,739,000                                | -0.3   |
| Construction                    | 131,863   | 116,538   | -15,326                                   | 5,136,000                                | -0.3   |
| Agriculture                     | 14,461  | 9,984   | -4,476                                    | 3,276,000                                | -0.1   |
| Retail trade                    | 13,387  | 9,942   | -3,445                                    | 13,118,000                               | 0.0  |
| Total                           | 3,242,952   | 2,285,208   | -957,744                                  | 94,279,000                               | -1.0   |

Sources: 1991 DEIMS and BLS Bulletin 2402, *Outlook: 1990-2005*, May 1992, pp. 56-60.

<sup>a</sup> The DEIMS model includes eating/drinking places in the services sector. We followed this convention by shifting eating/drinking places from retail trade to services in the BLS data.

## CHAPTER 3

# State Analysis

As shown in Table 3-1, DoD's direct and indirect purchases are highly concentrated geographically. The top 10 states account for nearly 60 percent of DoD's purchases of goods and services from the private sector.

**TABLE 3-1**

*Estimated 1991 DoD Purchases by State*

| State          | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of DoD total | Cumulative percentage | Rank |
|----------------|-----------------------------|-------------------------------|--------------------------------|----------------------|-----------------------|------|
| California     | 38,848                      | 24,513                        | 63,361                         | 18.5                 | 18.5                  | 1    |
| Texas          | 10,549                      | 12,115                        | 22,664                         | 6.6                  | 25.1                  | 2    |
| New York       | 10,727                      | 10,919                        | 21,646                         | 6.3                  | 31.4                  | 3    |
| Massachusetts  | 9,494                       | 6,598                         | 16,092                         | 4.7                  | 36.1                  | 4    |
| Virginia       | 9,626                       | 5,724                         | 15,349                         | 4.5                  | 40.6                  | 5    |
| Ohio           | 6,163                       | 8,278                         | 14,442                         | 4.2                  | 44.8                  | 6    |
| Florida        | 7,622                       | 5,774                         | 13,395                         | 3.9                  | 48.7                  | 7    |
| Pennsylvania   | 5,548                       | 7,600                         | 13,149                         | 3.8                  | 52.6                  | 8    |
| Connecticut    | 6,981                       | 4,618                         | 11,599                         | 3.4                  | 56.0                  | 9    |
| New Jersey     | 4,867                       | 5,577                         | 10,444                         | 3.0                  | 59.0                  | 10   |
| Missouri       | 6,201                       | 3,926                         | 10,127                         | 3.0                  | 62.0                  | 11   |
| Illinois       | 2,992                       | 6,717                         | 9,710                          | 2.8                  | 64.8                  | 12   |
| Maryland       | 5,219                       | 3,724                         | 8,943                          | 2.6                  | 67.4                  | 13   |
| Washington     | 5,099                       | 3,452                         | 8,552                          | 2.5                  | 69.9                  | 14   |
| Michigan       | 2,480                       | 5,421                         | 7,901                          | 2.3                  | 72.2                  | 15   |
| Indiana        | 3,199                       | 4,354                         | 7,552                          | 2.2                  | 74.4                  | 16   |
| Georgia        | 3,561                       | 3,614                         | 7,175                          | 2.1                  | 76.5                  | 17   |
| Arizona        | 3,544                       | 2,611                         | 6,155                          | 1.8                  | 78.3                  | 18   |
| Colorado       | 2,774                       | 3,111                         | 5,884                          | 1.7                  | 80.0                  | 19   |
| Minnesota      | 2,745                       | 2,772                         | 5,517                          | 1.6                  | 81.7                  | 20   |
| North Carolina | 1,966                       | 3,446                         | 5,412                          | 1.6                  | 83.2                  | 21   |
| Louisiana      | 2,085                       | 2,624                         | 4,709                          | 1.4                  | 84.6                  | 22   |
| Alabama        | 2,196                       | 2,397                         | 4,594                          | 1.3                  | 85.9                  | 23   |
| Wisconsin      | 1,669                       | 2,868                         | 4,538                          | 1.3                  | 87.3                  | 24   |
| Tennessee      | 1,328                       | 2,600                         | 3,928                          | 1.1                  | 88.4                  | 25   |
| Mississippi    | 2,241                       | 1,465                         | 3,706                          | 1.1                  | 89.5                  | 26   |
| Kansas         | 1,284                       | 1,687                         | 2,971                          | 0.9                  | 90.4                  | 27   |
| Oklahoma       | 897                         | 1,854                         | 2,750                          | 0.8                  | 91.2                  | 28   |
| South Carolina | 805                         | 1,875                         | 2,680                          | 0.8                  | 92.0                  | 29   |
| Kentucky       | 789                         | 1,650                         | 2,440                          | 0.7                  | 92.7                  | 30   |
| Iowa           | 1,036                       | 1,323                         | 2,359                          | 0.7                  | 93.4                  | 31   |

Source: 1991 DEIMS.

TABLE 3-1

*Estimated 1991 DoD Purchases by State (Continued)*

| State                | Direct<br>purchases<br>(1993 \$M) | Indirect<br>purchases<br>(1993 \$M) | DoD total<br>purchases<br>(1993 \$M) | Percent<br>of DoD<br>total | Cumulative<br>percentage | Rank |
|----------------------|-----------------------------------|-------------------------------------|--------------------------------------|----------------------------|--------------------------|------|
| Utah                 | 1,046                             | 1,118                               | 2,164                                | 0.6                        | 94.0                     | 32   |
| Arkansas             | 858                               | 1,206                               | 2,063                                | 0.6                        | 94.6                     | 33   |
| New Hampshire        | 891                               | 957                                 | 1,848                                | 0.5                        | 95.1                     | 34   |
| New Mexico           | 903                               | 892                                 | 1,795                                | 0.5                        | 95.7                     | 35   |
| Oregon               | 533                               | 1,236                               | 1,769                                | 0.5                        | 96.2                     | 36   |
| District of Columbia | 822                               | 828                                 | 1,650                                | 0.5                        | 96.7                     | 37   |
| Maine                | 817                               | 705                                 | 1,522                                | 0.4                        | 97.1                     | 38   |
| Rhode Island         | 682                               | 731                                 | 1,414                                | 0.4                        | 97.5                     | 39   |
| West Virginia        | 261                               | 1,003                               | 1,264                                | 0.4                        | 97.9                     | 40   |
| Nebraska             | 383                               | 715                                 | 1,098                                | 0.3                        | 98.2                     | 41   |
| Hawaii               | 633                               | 346                                 | 979                                  | 0.3                        | 98.5                     | 42   |
| Delaware             | 212                               | 597                                 | 810                                  | 0.2                        | 98.7                     | 43   |
| Alaska               | 479                               | 322                                 | 801                                  | 0.2                        | 99.0                     | 44   |
| Nevada               | 349                               | 396                                 | 746                                  | 0.2                        | 99.2                     | 45   |
| Vermont              | 295                               | 416                                 | 711                                  | 0.2                        | 99.4                     | 46   |
| Idaho                | 135                               | 383                                 | 518                                  | 0.2                        | 99.5                     | 47   |
| Montana              | 156                               | 270                                 | 427                                  | 0.1                        | 99.7                     | 48   |
| North Dakota         | 200                               | 207                                 | 406                                  | 0.1                        | 99.8                     | 49   |
| Wyoming              | 102                               | 305                                 | 406                                  | 0.1                        | 99.9                     | 50   |
| South Dakota         | 128                               | 243                                 | 372                                  | 0.1                        | 100.0                    | 51   |
| Total                | 174,422                           | 168,084                             | 342,506                              | 100.0                      | 100.0                    | -    |

Source: 1991 DEIMS.

We divided a state's defense-related jobs by total nonfarm private-sector payroll employment in 1991 to determine the relative significance of DoD's direct and indirect purchases. Because DoD civilian and uniformed military employees were not included in this analysis, we intentionally excluded governmental workers from each state's tally. As shown in Table 3-2, dependence of nonfarm private-sector payroll employment on defense spending varies markedly among states from a high of 8.3 percent in Connecticut to a low of 1.4 percent in Nevada.

TABLE 3-2

*Estimated 1991 Defense-Related Employment by State*

| State                | Defense-related employment | Total nonfarm, private-sector payroll employment | Defense-related ÷ total (percent) | Rank |
|----------------------|----------------------------|--|-----------------------------------|------|
| Connecticut          | 112,531                    | 1,348,500  | 8.3                               | 1    |
| Virginia             | 165,942                    | 2,250,000  | 7.4                               | 2    |
| Massachusetts        | 159,292                    | 2,432,500  | 6.5                               | 3    |
| California           | 584,987                    | 10,418,200                                       | 5.6                               | 4    |
| Maryland             | 92,509                     | 1,682,000  | 5.5                               | 5    |
| Mississippi          | 38,391                     | 733,000  | 5.2                               | 6    |
| District of Columbia | 19,303                     | 397,100  | 4.9                               | 7    |
| Missouri             | 93,528                     | 1,924,400  | 4.9                               | 8    |
| Arizona              | 58,406                     | 1,226,400  | 4.8                               | 9    |
| Colorado             | 57,667                     | 1,259,900  | 4.6                               | 10   |
| Washington           | 78,890                     | 1,759,400  | 4.5                               | 11   |
| Alaska               | 7,626                      | 171,600  | 4.4                               | 12   |
| New Hampshire        | 17,823                     | 408,500  | 4.4                               | 13   |
| New Mexico           | 17,576                     | 431,800  | 4.1                               | 14   |
| Rhode Island         | 14,410                     | 362,300  | 4.0                               | 15   |
| Maine                | 16,235                     | 417,400  | 3.9                               | 16   |
| Vermont              | 7,323                      | 204,800  | 3.6                               | 17   |
| New Jersey           | 103,325                    | 2,926,400  | 3.5                               | 18   |
| Utah                 | 20,793                     | 591,300  | 3.5                               | 19   |
| Louisiana            | 43,942                     | 1,282,600  | 3.4                               | 20   |
| Texas                | 200,077                    | 5,890,600  | 3.4                               | 21   |
| New York             | 217,459                    | 6,439,000  | 3.4                               | 22   |
| Alabama              | 41,693                     | 1,306,500  | 3.2                               | 23   |
| Ohio                 | 126,233                    | 4,084,300  | 3.1                               | 24   |
| Minnesota            | 53,699                     | 1,793,100  | 3.0                               | 25   |
| Florida              | 131,923                    | 4,414,500  | 3.0                               | 26   |
| Kansas               | 25,950                     | 876,000  | 3.0                               | 27   |
| Indiana              | 62,683                     | 2,124,900  | 2.9                               | 28   |
| Pennsylvania         | 123,252                    | 4,376,500  | 2.8                               | 29   |
| Georgia              | 67,057                     | 2,404,700  | 2.8                               | 30   |
| Oklahoma             | 24,177                     | 936,300  | 2.6                               | 31   |
| Hawaii               | 10,176                     | 429,500  | 2.4                               | 32   |
| Michigan             | 72,566                     | 3,243,100  | 2.2                               | 33   |
| Wyoming              | 3,261                      | 147,200  | 2.2                               | 34   |
| Arkansas             | 16,942                     | 773,000  | 2.2                               | 35   |
| Iowa                 | 21,756                     | 1,016,200  | 2.1                               | 36   |
| Wisconsin            | 41,562                     | 1,944,900  | 2.1                               | 37   |
| Illinois             | 92,481                     | 4,454,400  | 2.1                               | 38   |
| West Virginia        | 10,189                     | 501,300  | 2.0                               | 39   |
| North Carolina       | 50,423                     | 2,570,000  | 2.0                               | 40   |
| Tennessee            | 35,724                     | 1,823,300  | 2.0                               | 41   |
| South Carolina       | 24,082                     | 1,229,400  | 2.0                               | 42   |
| Nebraska             | 11,030                     | 590,700  | 1.9                               | 43   |
| North Dakota         | 3,673                      | 205,000  | 1.8                               | 44   |

Sources: 1991 DEIMS and BLS, *Employment and Earnings*, Vol. 39, No. 5, May 1992, pp. 132-149.



TABLE 3-2

*Estimated 1991 Defense-Related Employment by State (Continued)*

| State        | Defense-related employment | Total nonfarm, private-sector payroll employment | Defense-related ÷ total (percent) | Rank |
|--------------|----------------------------|--|-----------------------------------|------|
| Delaware     | 5,236                      | 293,500  | 1.8                               | 45   |
| Kentucky     | 20,876                     | 1,204,600  | 1.7                               | 46   |
| Montana      | 3,894                      | 231,000  | 1.7                               | 47   |
| Oregon       | 16,669                     | 1,024,400  | 1.6                               | 48   |
| Idaho        | 4,854                      | 313,600  | 1.5                               | 49   |
| South Dakota | 3,525                      | 233,600  | 1.5                               | 50   |
| Nevada       | 7,962                      | 551,400  | 1.4                               | 51   |
| Total        | 3,241,582                  | 89,654,600                                       | 3.6                               | -    |

Sources: 1991 DEIMS and BLS, *Employment and Earnings*, Vol. 39, No. 5, May 1992, pp. 132-149.

Table 3-3 shows the states that are projected to lose the most defense-related jobs from 1991 to 1997. We divided the projected change in defense-related jobs by total nonfarm private-sector payroll employment to determine the relative impact each state economy will face as defense spending is curtailed. While the overall decline in jobs is projected to be modest - 1.1 percent of the national total - the impact varies quite dramatically among states. Connecticut faces the most severe impact while defense-related employment in Nevada falls negligibly.

TABLE 3-3

*Change in Defense-Related Employment by State: 1991 to 1997*

| State                | 1<br>1991<br>defense-<br>related<br>employ-<br>ment | 2<br>1997<br>defense-<br>related<br>employ-<br>ment | 3<br>Employ-<br>ment<br>change<br>(2-1) | 4<br>1991<br>nonfarm,<br>private-<br>sector<br>payroll<br>employ-<br>ment | Estimated<br>relative<br>job loss<br>(3 ÷ 4)<br>(percent) | Rank |
|----------------------|---|---|---|---|---|------|
| Connecticut          | 112,531   | 75,105  | -37,427                                 | 1,348,500   | -2.8  | 1    |
| Virginia             | 165,942   | 118,461   | -47,481                                 | 2,250,000   | -2.1  | 2    |
| Massachusetts        | 159,292   | 113,636   | -45,656                                 | 2,432,500   | -1.9  | 3    |
| Mississippi          | 38,391  | 25,431  | -12,960                                 | 733,000   | -1.8  | 4    |
| California           | 584,987   | 407,360   | -177,627                                | 10,418,200  | -1.7  | 5    |
| Maine                | 16,235  | 9,858   | -6,377                                  | 417,400   | -1.5  | 6    |
| New Hampshire        | 17,823  | 11,854  | -5,968                                  | 408,500   | -1.5  | 7    |
| Arizona              | 58,406  | 41,014  | -17,393                                 | 1,226,400   | -1.4  | 8    |
| Washington           | 78,890  | 54,982  | -23,907                                 | 1,759,400   | -1.4  | 9    |
| Maryland             | 92,509  | 69,873  | -22,636                                 | 1,682,000   | -1.3  | 10   |
| Missouri             | 93,528  | 67,862  | -25,665                                 | 1,924,400   | -1.3  | 11   |
| Vermont              | 7,323   | 4,604   | -2,719                                  | 204,800   | -1.3  | 12   |
| Rhode Island         | 14,410  | 10,010  | -4,399                                  | 362,300   | -1.2  | 13   |
| Colorado             | 57,667  | 42,823  | -14,844                                 | 1,259,900   | -1.2  | 14   |
| Louisiana            | 43,942  | 29,455  | -14,487                                 | 1,282,600   | -1.1  | 15   |
| Indiana              | 62,683  | 40,095  | -22,589                                 | 2,124,900   | -1.1  | 16   |
| New Jersey           | 103,325   | 72,863  | -30,462                                 | 2,926,400   | -1.0  | 17   |
| Utah                 | 20,793  | 14,846  | -5,947                                  | 591,300   | -1.0  | 18   |
| New York             | 217,459   | 155,925   | -61,534                                 | 6,439,000   | -1.0  | 19   |
| Texas                | 200,077   | 143,951   | -56,125                                 | 5,890,600   | -1.0  | 20   |
| Ohio                 | 126,233   | 87,980  | -38,253                                 | 4,084,300   | -0.9  | 21   |
| New Mexico           | 17,576  | 13,536  | -4,040                                  | 431,800   | -0.9  | 22   |
| Alabama              | 41,693  | 29,658  | -12,035                                 | 1,306,500   | -0.9  | 23   |
| Kansas               | 25,950  | 18,043  | -7,907                                  | 876,000   | -0.9  | 24   |
| Minnesota            | 53,699  | 37,940  | -15,759                                 | 1,793,100   | -0.9  | 25   |
| Pennsylvania         | 123,252   | 84,971  | -38,281                                 | 4,376,500   | -0.9  | 26   |
| District of Columbia | 19,303  | 15,865  | -3,438                                  | 397,100   | -0.9  | 27   |
| Florida              | 131,923   | 93,927  | -37,996                                 | 4,414,500   | -0.9  | 28   |
| Alaska               | 7,626   | 6,334   | -1,292                                  | 171,600   | -0.8  | 29   |
| Georgia              | 67,057  | 48,981  | -18,076                                 | 2,404,700   | -0.8  | 30   |
| Wisconsin            | 41,562  | 27,321  | -14,241                                 | 1,944,900   | -0.7  | 31   |
| Oklahoma             | 24,177  | 17,534  | -6,643                                  | 936,300   | -0.7  | 32   |
| Michigan             | 72,566  | 49,806  | -22,761                                 | 3,243,100   | -0.7  | 33   |
| Iowa                 | 21,756  | 14,774  | -6,983                                  | 1,016,200   | -0.7  | 34   |
| Illinois             | 92,481  | 63,886  | -28,595                                 | 4,454,400   | -0.6  | 35   |
| West Virginia        | 10,189  | 7,047   | -3,142                                  | 501,300   | -0.6  | 36   |
| North Carolina       | 50,423  | 35,071  | -15,351                                 | 2,570,000   | -0.6  | 37   |
| Tennessee            | 35,724  | 25,197  | -10,526                                 | 1,823,300   | -0.6  | 38   |
| Arkansas             | 16,942  | 12,491  | -4,450                                  | 773,000   | -0.6  | 39   |
| South Carolina       | 24,082  | 17,010  | -7,072                                  | 1,229,400   | -0.6  | 40   |
| Wyoming              | 3,261   | 2,418   | -843                                    | 147,200   | -0.6  | 41   |
| Nebraska             | 11,030  | 7,960   | -3,070                                  | 590,700   | -0.5  | 42   |
| Oregon               | 16,669  | 11,585  | -5,085                                  | 1,024,400   | -0.5  | 43   |
| Kentucky             | 20,876  | 14,913  | -5,963                                  | 1,204,600   | -0.5  | 44   |
| Delaware             | 5,236   | 3,793   | -1,442                                  | 293,500   | -0.5  | 45   |
| Idaho                | 4,854   | 3,512   | -1,341                                  | 313,600   | -0.4  | 46   |

Sources: 1991 DEIMS and BLS, *Employment and Earnings*, Vol. 39, No. 5, May 1992, pp. 132-149

TABLE 3-3

*Change in Defense-Related Employment by State: 1991 to 1997 (Continued)*

| State        | 1<br>1991<br>defense-<br>related<br>employ-<br>ment | 2<br>1997<br>defense-<br>related<br>employ-<br>ment | 3<br>Employ-<br>ment<br>change<br>(2 - 1) | 4<br>1991<br>nonfarm<br>private-<br>sector<br>payroll<br>employ-<br>ment | Estimated<br>relative<br>job loss<br>(3 ÷ 4)<br>(percent) | Rank |
|--------------|---|---|---|--|---|------|
| North Dakota | 3,673   | 2,818   | -856                                      | 205,000  | -0.4  | 47   |
| Montana      | 3,894   | 2,987   | -907                                      | 231,000  | -0.4  | 48   |
| South Dakota | 3,525   | 2,614   | -911                                      | 233,600  | -0.4  | 49   |
| Hawaii       | 10,176  | 8,518   | -1,658                                    | 429,500  | -0.4  | 50   |
| Nevada       | 7,962   | 6,074   | -1,888                                    | 551,400  | -0.3  | 51   |
| Total        | 3,241,582   | 2,284,575   | -957,007                                  | 89,654,600   | -1.1  | -    |

Sources: 1991 DEIMS and BLS, *Employment and Earnings*, Vol. 39, No. 5, May 1992, pp. 132 - 149.

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## CHAPTER 4

# County Analysis

## DEFENSE CONTRACT ACTION DATA SYSTEM

To identify the impact of defense purchases at locations within states, we performed an analysis based upon the Defense Contract Action Data System. This DoD information system – more commonly referred to as the DD Form 350 data base – captures data about the prime contracts that DoD awards to about 35,000 to 40,000 individual defense suppliers annually.

For prime contract actions greater than \$25,000, the DD Form 350 data base captures the dollar amount of the award, the product or service purchased, and the place of performance among other data that are reported. Because the DD Form 350 data base provides data on DoD purchases of goods and services at levels lower than state, it offers a way to explore the dependence on DoD purchases and potential exposure to reduced defense spending at the county level.<sup>1</sup>

The DD Form 350 data base has limitations. It covers prime contract awards; it does not provide any information on the value and distribution of subcontract awards. Usually 40 to 60 percent of the value of a prime contract award is distributed to subcontractors. To the extent that the subcontractors are in locations different from the prime contractor's place of performance, the DD Form 350 data base will overstate the concentration, and hence the impact, of defense spending in states or counties that primarily receive prime contract awards. Additionally, an analysis of macroeconomic impacts should measure the value of goods and services actually produced in any given year. The prime contract awards reported in the DD Form 350 data base are not equivalent to yearly defense purchases because a contract may be performed over more than 1 year. Finally, the DD Form 350 data base provides historical information only and does not have a mechanism for

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<sup>1</sup>For an alternative method which explores the effects of reduced defense purchases, lower employment of DoD civilian and military workers, and induced effects, see Annex H to the report of the Defense Conversion Commission, *Adjusting to the Drawdown*.

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projecting the magnitude, industry composition, or geographical distribution of future defense prime contract awards.

The data that we used to generate the summary reports in this chapter of the report represent only a small amount of the total information available in DoD's more comprehensive DD Form 350 data base. The data records and elements that we extracted identify prime contract award actions that occurred in FY91, were valued at \$25,000 or more, and were assigned to the 50 states and the District of Columbia.

## 1991 CONTRACT AWARDS

For FY91, our data show 250,212 domestic actions valued collectively at \$122.9 billion (measured in 1991 dollars). An additional \$11.3 billion was spent through actions that were valued at less than \$25,000 and \$12.6 billion was either not assigned to a specific state or was spent outside the United States, yielding \$146.8 billion in total awards in FY91.<sup>2</sup>

The tables in this chapter display data on the product or service being acquired, the contract value, and the contractor's place of performance (state and county). The DD Form 350 data base uses a product service code (PSC) to identify what is being purchased. We developed a crosswalk between PSCs and standard industrial classifications (SICs) (using the older 1972 classification system) so that the DD Form 350 data could be compared to the DEIMS results.

## DD FORM 350 DATA BASE COMPARED TO DEIMS

The data in the DD Form 350 data base are most comparable to DEIMS direct defense purchases; in fact, the DEIMS model relies on historical DD Form 350 data to allocate direct purchases to the states.<sup>3</sup> In 1991, defense purchases of goods and services from the U.S. private-sector totaled \$130 billion according to the DD Form 350 data base and \$174 billion according to the DEIMS model.<sup>4</sup> There are several causes

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<sup>2</sup>Total awards may differ slightly in various published sources due to corrections and updating of the DD Form 350 data base by DoD.

<sup>3</sup>We made this comparison to demonstrate that results from the DEIMS and DD Form 350 data are complementary.

<sup>4</sup>We expressed the value of 1991 defense prime contract awards in 1993 dollars so that they could be compared to the DEIMS estimates.

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for the apparent \$44 billion discrepancy. For example, our DD Form 350 data base did not include actions valued at less than \$25,000 and awards that were not allocated to an individual state. Additionally, the DD Form 350 data base records defense prime contract awards and the DEIMS model estimates defense spending outlays. During a period of declining budgets, awards will decline faster than outlays, so the DD Form 350 data base total in 1991 should be somewhat lower than the DEIMS total. A final significant difference is that the DD Form 350 data base does not report prime contracts for classified (or "special access") programs, while the DEIMS model incorporates spending for these programs into its industry projections.

## MAJOR FINDINGS

Our analysis of the DD Form 350 data supports the DEIMS analysis in Chapters 2 and 3 and reinforces our findings that the economic impacts of defense downsizing are likely to be concentrated in a small number of industry sectors and states. Our DD Form 350 data base analysis also shows that the economic impact of defense purchases is concentrated in relatively few counties.

The DEIMS analysis showed a high concentration of defense purchases in some industry sectors; our analysis of defense prime contract awards also shows a high concentration by SIC. Table 4-1 shows the top 20 industries (by SIC code) with the largest dollar value of prime contract awards in 1991. These 20 industries account for 77 percent of the value of the prime contract awards in the 1991 DD Form 350 data base. The aerospace industry (SICs 3721, 3724, 3728, and 3761) accounts for 31 percent of the dollar value of the prime contract awards. The service industry SICs in Table 4-1 account for 15 percent, and the construction SICs represent an additional 5 percent. Appendix B provides a complete listing of 1991 defense prime contract awards by SIC.

The DEIMS analysis showed that DoD depends upon relatively few states for the goods and services that it purchases from the private sector and that relatively few states in turn depend upon DoD. Table 4-2 compares a ranking of states by the absolute magnitude of prime contract awards received in FY91 with a ranking of states by the DEIMS estimates of direct DoD purchases made in CY91. We observe that the state rankings are similar across the two sets of data. Appendix C provides detailed information on the quantity and value of 1991 defense prime contract awards by state.

**TABLE 4-1**

*Top 20 Industries Receiving the Largest Dollar Value of Prime Contract Awards in 1991*

| SIC code | Industry  | Value of awards (1993 \$B) | Cumulative percentage of total |
|----------|---|----------------------------|--------------------------------|
| 3721     | Aircraft  | 17.8                       | 13.7                           |
| 3761     | Guided missiles and space vehicles                | 14.5                       | 24.8                           |
| 3662     | Radio and TV communication equipment <sup>a</sup> | 13.4                       | 35.1                           |
| 8911     | Engineering and architectural services            | 7.6                        | 41.0                           |
| 7391     | Research and development laboratories             | 7.1                        | 46.4                           |
| 3731     | Ship building and repairing                       | 6.4                        | 51.3                           |
| 1542     | Nonresidential construction, NEC                  | 4.0                        | 54.4                           |
| 3728     | Aircraft equipment, NEC                           | 4.0                        | 57.5                           |
| 3724     | Aircraft engines and engine parts                 | 3.7                        | 60.3                           |
| 2911     | Petroleum refining                                | 3.4                        | 63.0                           |
| 4511     | Certified air transportation                      | 2.5                        | 64.9                           |
| 3795     | Tanks and tank components                         | 2.5                        | 66.8                           |
| 3573     | Electronic computing equipment                    | 2.3                        | 68.6                           |
| 3483     | Ammunition, except small arms, NEC                | 2.3                        | 70.4                           |
| 7374     | Data processing services                          | 2.0                        | 72.0                           |
| 1541     | Industrial buildings and warehouses               | 1.6                        | 73.2                           |
| 7372     | Computer programming and software                 | 1.5                        | 74.3                           |
| 3679     | Electronic components, NEC                        | 1.4                        | 75.4                           |
| 1629     | Heavy construction, NEC                           | 1.3                        | 76.4                           |
| 8221     | Colleges and universities                         | 1.3                        | 77.4                           |

Source: LMI analysis of DD Form 350 data base.

Note: NEC = not elsewhere classified.

<sup>a</sup> Includes search and navigation equipment.

TABLE 4-2

*States Ranked by Absolute Magnitude of Defense Purchases in 1991*

| State                | 1993 \$ millions |                        | DD Form 350 data ranking | DEIMS ranking |
|----------------------|------------------|------------------------|--------------------------|---------------|
|                      | DD Form 350 data | DEIMS direct purchases |                          |               |
| California           | 25,311           | 38,848                 | 1                        | 1             |
| Texas                | 10,787           | 10,549                 | 2                        | 2             |
| New York             | 7,325            | 10,727                 | 3                        | 3             |
| Massachusetts        | 7,318            | 9,494                  | 4                        | 4             |
| Virginia             | 7,116            | 9,626                  | 5                        | 5             |
| Missouri             | 6,684            | 6,201                  | 6                        | 11            |
| Florida              | 5,446            | 7,622                  | 7                        | 7             |
| Connecticut          | 5,243            | 6,981                  | 8                        | 9             |
| Ohio                 | 5,046            | 6,163                  | 9                        | 6             |
| Maryland             | 4,293            | 5,219                  | 10                       | 13            |
| New Jersey           | 3,779            | 4,867                  | 11                       | 10            |
| Pennsylvania         | 3,106            | 5,548                  | 12                       | 8             |
| Colorado             | 2,811            | 2,774                  | 13                       | 19            |
| Arizona              | 2,660            | 3,544                  | 14                       | 18            |
| Indiana              | 2,280            | 3,199                  | 15                       | 16            |
| Tennessee            | 2,145            | 1,328                  | 16                       | 25            |
| Georgia              | 2,088            | 3,561                  | 17                       | 17            |
| Alabama              | 1,926            | 2,196                  | 18                       | 23            |
| Mississippi          | 1,884            | 2,241                  | 19                       | 26            |
| Minnesota            | 1,878            | 2,745                  | 20                       | 20            |
| Illinois             | 1,869            | 2,992                  | 21                       | 12            |
| Washington           | 1,863            | 5,099                  | 22                       | 14            |
| North Carolina       | 1,628            | 1,966                  | 23                       | 21            |
| Michigan             | 1,407            | 2,480                  | 24                       | 15            |
| Louisiana            | 1,311            | 2,085                  | 25                       | 22            |
| District of Columbia | 1,177            | 822                    | 26                       | 37            |
| Maine                | 1,114            | 817                    | 27                       | 38            |
| South Carolina       | 1,019            | 805                    | 28                       | 29            |
| Wisconsin            | 1,017            | 1,669                  | 29                       | 24            |
| Kansas               | 902              | 1,284                  | 30                       | 27            |
| Utah                 | 858              | 1,046                  | 31                       | 32            |
| Oklahoma             | 819              | 897                    | 32                       | 28            |
| Hawaii               | 745              | 633                    | 33                       | 42            |
| New Mexico           | 719              | 903                    | 34                       | 35            |
| Kentucky             | 612              | 789                    | 35                       | 30            |
| Alaska               | 590              | 479                    | 36                       | 44            |
| Iowa                 | 486              | 1,036                  | 37                       | 31            |
| New Hampshire        | 469              | 891                    | 38                       | 34            |
| Rhode Island         | 430              | 682                    | 39                       | 39            |
| Oregon               | 333              | 533                    | 40                       | 36            |
| Arkansas             | 332              | 858                    | 41                       | 33            |
| Nevada               | 269              | 349                    | 42                       | 45            |

Source: LMI analysis of DD Form 350 data base.



**TABLE 4-2**

*States Ranked by Absolute Magnitude of Defense Purchases in 1991  
(Continued)*

| State         | 1993 \$ millions |                        | DD Form 350 data ranking | DEIMS ranking |
|---------------|------------------|------------------------|--------------------------|---------------|
|               | DD Form 350 data | DEIMS direct purchases |                          |               |
| Nebraska      | 268              | 383                    | 43                       | 41            |
| North Dakota  | 158              | 200                    | 44                       | 49            |
| West Virginia | 155              | 261                    | 45                       | 40            |
| Delaware      | 140              | 212                    | 46                       | 43            |
| South Dakota  | 133              | 128                    | 47                       | 51            |
| Montana       | 88               | 156                    | 48                       | 48            |
| Idaho         | 84               | 135                    | 49                       | 47            |
| Vermont       | 77               | 295                    | 50                       | 46            |
| Wyoming       | 68               | 102                    | 51                       | 50            |
| Total         | 130,265          | 174,422                | -                        | -             |

Source: LMI analysis of DD Form 350 data base.

Table 4-3 compares the relative importance of defense purchases to the states based upon the DD Form 350 data and DEIMS employment estimates. The DD Form 350 data ranking is based upon the ratio of the value of defense prime contract awards received relative to the income earned from all sources by a state's residents in 1991. The DEIMS ranking is based upon the ratio of defense-related jobs to each state's nonfarm private-sector employment in 1991. While the two sets of rankings are similar, the match is not nearly as close as was observed in Table 4-2. This phenomenon occurs because some of the economic impact of a prime contract award "leaks out" as a result of purchases from subcontractors who are located in other states. Consequently, the DD Form 350 data base generally overstates the economic impact of DoD purchases to states that receive large prime contract awards and understates the relative importance of defense purchases to states that perform significant subcontracted defense work.

TABLE 4-3

*States Ranked by Relative Impact of Defense Purchases in 1991*

| State                | Prime contract awards<br>as a percentage<br>of 1991 state<br>personal income | DD Form 350<br>ranking | DEIMS<br>ranking |
|----------------------|--|------------------------|------------------|
| District of Columbia | 7.7  | 1                      | 7                |
| Missouri             | 6.8  | 2                      | 8                |
| Connecticut          | 5.8  | 3                      | 1                |
| Virginia             | 5.3  | 4                      | 2                |
| Mississippi          | 5.1  | 5                      | 6                |
| Massachusetts        | 5.0  | 6                      | 3                |
| Maine                | 4.9  | 7                      | 16               |
| Alaska               | 4.6  | 8                      | 12               |
| Colorado             | 4.1  | 9                      | 10               |
| Arizona              | 4.0  | 10                     | 9                |
| California           | 3.8  | 11                     | 4                |
| Maryland             | 3.8  | 12                     | 5                |
| Texas                | 3.4  | 13                     | 21               |
| Utah                 | 3.1  | 14                     | 19               |
| New Mexico           | 3.0  | 15                     | 14               |
| Hawaii               | 2.9  | 16                     | 32               |
| Alabama              | 2.9  | 17                     | 23               |
| Tennessee            | 2.5  | 18                     | 41               |
| Ohio                 | 2.4  | 19                     | 24               |
| Indiana              | 2.2  | 20                     | 28               |
| Rhode Island         | 2.1  | 21                     | 15               |
| Minnesota            | 2.1  | 22                     | 25               |
| Florida              | 2.0  | 23                     | 26               |
| Louisiana            | 1.9  | 24                     | 20               |
| Kansas               | 1.9  | 25                     | 27               |
| New Hampshire        | 1.8  | 26                     | 13               |
| Washington           | 1.8  | 27                     | 11               |
| New Jersey           | 1.8  | 28                     | 18               |
| South Carolina       | 1.7  | 29                     | 42               |
| Georgia              | 1.7  | 30                     | 30               |
| New York             | 1.7  | 31                     | 22               |
| Oklahoma             | 1.6  | 32                     | 31               |
| North Dakota         | 1.5  | 33                     | 44               |
| North Carolina       | 1.4  | 34                     | 40               |
| Pennsylvania         | 1.3  | 35                     | 29               |
| South Dakota         | 1.1  | 36                     | 50               |
| Wisconsin            | 1.1  | 37                     | 37               |
| Nevada               | 1.0  | 38                     | 51               |
| Kentucky             | 1.0  | 39                     | 46               |
| Iowa                 | 0.9  | 40                     | 36               |
| Delaware             | 0.9  | 41                     | 45               |
| Arkansas             | 0.9  | 42                     | 35               |
| Nebraska             | 0.9  | 43                     | 43               |
| Wyoming              | 0.8  | 44                     | 34               |

Sources: LMI analysis of DD Form 350 data base and U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, August 1992, pp. 50 - 59.

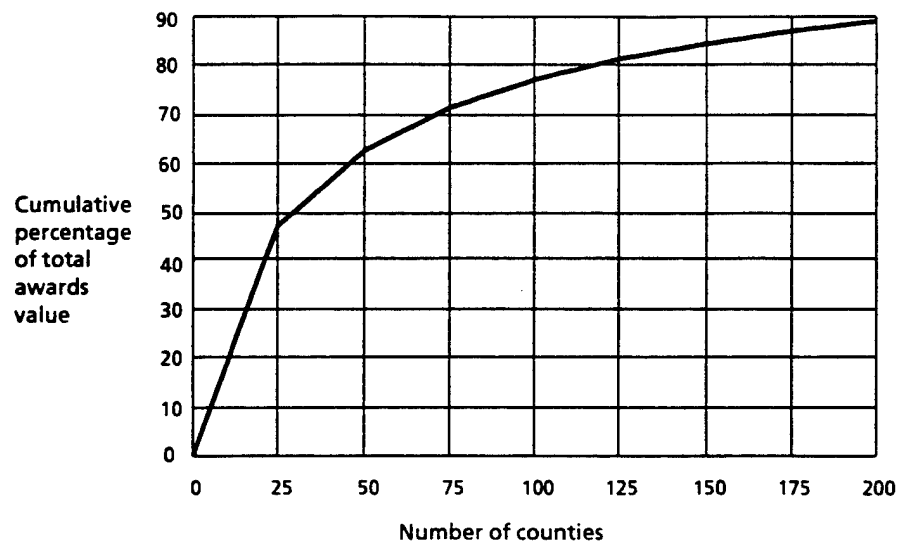
**TABLE 4-3**

*States Ranked by Relative Impact of Defense Purchases in 1991*  
(Continued)

| State         | Prime contract awards<br>as a percentage<br>of 1991 state<br>personal income | DD Form 350<br>ranking | DEIMS<br>ranking |
|---------------|--|------------------------|------------------|
| Michigan      | 0.8  | 45                     | 33               |
| Illinois      | 0.7  | 46                     | 38               |
| Vermont       | 0.7  | 47                     | 17               |
| Montana       | 0.7  | 48                     | 47               |
| Oregon        | 0.6  | 49                     | 48               |
| West Virginia | 0.6  | 50                     | 39               |
| Idaho         | 0.5  | 51                     | 49               |

Source: LMI analysis of DD Form 350 data base and U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, August 1992, pp. 50 – 59.

Based upon our analysis of the DD Form 350 data, we find that defense prime contract awards are concentrated in a relatively small number of counties. Figure 4-1 displays the cumulative percentage of total award value as a function of the number of counties receiving awards. The 2,103 counties that received at least one prime contract award over \$25,000 in 1991 were ranked in descending order of total value of awards received. The initial steepness of the curve indicates that the value of prime contract awards is highly concentrated with a small number of counties accounting for the major portion of awards. Table 4-4 lists the top 20 counties ranked by highest dollar value of awards. California is heavily represented with 4 of the top 20 counties. Collectively, these four California counties account for 15 percent of the value of the prime contract awards in the 1991 DD Form 350 data base. Other states with a heavy dependence upon DoD purchases include Connecticut with 3 of the top 20 counties (accounting for 3.9 percent of prime contract awards), Texas with 2 (4.9 percent), Massachusetts with 2 (4.8 percent), and Arizona with 2 (1.8 percent). Appendix D is a complete listing of the value of 1991 defense prime contract awards by county.



Source: LMI analysis of DD Form 350 data base.

**Figure 4-1**  
*Concentration of 1991 Prime Contract Awards by County*

**TABLE 4-4**  
*Top 20 Counties Receiving the Largest Dollar Value of Prime Contract Awards in 1991*

| County               | State                | Value of awards<br>(1993 \$ billions) | Cumulative<br>percentage of<br>total awards |
|----------------------|----------------------|---------------------------------------|---|
| Los Angeles          | California           | 10.6                                  | 8.2   |
| St. Louis (city)     | Missouri             | 5.7                                   | 12.6  |
| Tarrant              | Texas                | 4.0                                   | 15.7  |
| Santa Clara          | California           | 3.8                                   | 18.6  |
| Middlesex            | Massachusetts        | 3.5                                   | 21.2  |
| Nassau               | New York             | 3.3                                   | 23.7  |
| Orange               | California           | 2.9                                   | 25.9  |
| Essex                | Massachusetts        | 2.7                                   | 28.0  |
| San Diego            | California           | 2.5                                   | 30.0  |
| Collin               | Texas                | 2.4                                   | 31.8  |
| New London           | Connecticut          | 2.4                                   | 33.6  |
| Fairfax              | Virginia             | 2.3                                   | 35.4  |
| Denver               | Colorado             | 1.9                                   | 36.8  |
| Fairfield            | Connecticut          | 1.6                                   | 38.1  |
| Hamilton             | Ohio                 | 1.4                                   | 39.1  |
| Orange               | Florida              | 1.2                                   | 40.0  |
| District of Columbia | District of Columbia | 1.2                                   | 40.9  |
| Pima                 | Arizona              | 1.2                                   | 41.9  |
| Maricopa             | Arizona              | 1.2                                   | 42.7  |
| Hartford             | Connecticut          | 1.1                                   | 43.5  |

Source: LMI analysis of DD Form 350 data base.

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## CHAPTER 5

# Occupational Analysis

## METHODOLOGY

We estimated the occupational composition of private-sector defense-related employment and the occupational composition of defense-related job losses likely to occur between 1991 and 1997.<sup>1</sup> Building upon previous results from our analysis, the private-sector economy was disaggregated into nine sectors, and employment was disaggregated into nine occupations. Initially, we assumed that defense-related employment in each of the nine sectors mirrored non-defense-related employment. Based upon our knowledge of the types of products purchased by DoD, this assumption was tenuous for the manufacturing sector.

Using the BLS industry-occupation matrix for 1990, we tested whether the occupational composition of defense manufacturing was similar to that of the manufacturing work force as a whole. We found that the industry-occupation coefficients for three low-technology industries (i.e., ordnance, ships/boats, and automobiles) were quite similar to the coefficients for manufacturing (and particularly for durable manufacturing). However, the coefficients for five high-technology industries (i.e., missiles, search/navigation equipment, aircraft, communication equipment, and computers) were very different from the manufacturing sector as a whole. Because defense expenditures in high-technology industries are large, our assumption about the occupational composition of the defense manufacturing work force was modified.

In the aggregate, the eight low- and high-technology industries we examined in detail account for a large share of defense-related employment in the manufacturing sector (957,550 out of 1,656,777 jobs, or 57.8 percent). Therefore, it was plausible to use an

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<sup>1</sup>For other analyses of the employment effects of reduced defense spending, see Norman C. Saunders, "Defense Spending in the 1990s – The Effect of Deeper Cuts," *Monthly Labor Review*, October 1990, pp. 3–15 and Douglas J. Braddock, "Scientific and Technical Employment, 1990–2005," *Monthly Labor Review*, February 1992, pp. 28–41.

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employment-weighted average of the industry-occupation coefficients for these eight industries as a proxy for the defense manufacturing sector. We relied upon the BLS industry-occupation matrix for the coefficients of the remaining eight nonmanufacturing sectors.

As shown in Table 5-1, each sector has a unique pattern of occupations characterizing its workers. For example, 24.5 percent of the jobs in defense manufacturing are in the "Precision production, craft, and repair" category and 18.4 percent are "Operators, fabricators, and laborers." In contrast, 4.1 percent of the jobs in services are in the "Precision production, craft, and repair" category and 4.9 percent are "Operators, fabricators, and laborers."

## FINDINGS

Using the industry-occupation coefficients from Table 5-1, the DEIMS employment estimates for 1991 were disaggregated by occupation. As shown in Table 5-2, of approximately 3.2 million private-sector defense-related jobs, 378,433 are categorized as "Executive, administrative, and managerial," 604,951 as "Professional specialty" (predominately engineers and scientists), 205,122 as "Technicians support," and 597,256 as "Precision production, craft, and repair."

The occupational composition of private-sector defense-related jobs can be contrasted with the private sector as a whole. Comparing the line entitled "Composition" in Table 5-2 with the "Private sector" line in Table 5-1, we observe that private-sector defense-related jobs are over-represented in the "Executive, administrative, and managerial," "Professional specialty," "Technicians/support," and "Precision production, crafts, and repair" categories and are under-represented in the "Marketing and sales," "Service occupations," and "Agriculture, forestry, and fishing" categories. This result is mirrored in the last row in Table 5-2, which shows the proportion of private-sector defense-related jobs in each occupational category. While DoD purchases generate 3.4 percent of total private-sector payroll employment, DoD has an above-average share of "Executive," "Professional," "Technicians," and "Precision production" jobs and a below-average share of "Marketing," "Service," and "Agriculture" jobs.

Parallel techniques can be used to estimate occupational defense-related job losses. As shown in Table 5-3, of the nearly 1 million defense-related jobs that DEIMS estimates will be lost between 1991 and 1997, 116,171 are "Executive," 176,885 are "Professional," 64,604 are "Technicians," 193,439 are "Precision production," and 165,225 are

**TABLE 5-2**  
*Occupational Distribution of Private-Sector Defense-Related Jobs in 1991*

| Sector   | Occupation                                |                                     |                      |                  |                        |                     |   |                                      |                                    |              |
|--|---|-------------------------------------|----------------------|------------------|------------------------|---------------------|---|--------------------------------------|------------------------------------|--------------|
|  | Executive, administrative, and managerial | Professional specialty <sup>a</sup> | Technicians/ support | Marketing/ sales | Administrative support | Service occupations | Precision production, craft, and repair | Operators, fabricators, and laborers | Agriculture, forestry, and fishing | Total (1991) |
| Agriculture  | 370                                       | 494                                 | 151                  | 168              | 702                    | 209                 | 371                                     | 966                                  | 11,028                             | 14,461       |
| Mining   | 4,920                                     | 3,214                               | 1,291                | 581              | 4,896                  | 395                 | 15,090                                  | 11,200                               | 33                                 | 41,619       |
| Construction   | 15,082                                    | 901                                 | 688                  | 1,574            | 12,693                 | 454                 | 69,029                                  | 31,304                               | 139                                | 131,863      |
| Defense manufacturing  | 220,579                                   | 345,836                             | 132,372              | 14,894           | 201,382                | 29,996              | 406,385                                 | 305,252                              | 82                                 | 1,656,777    |
| Transportation/public utilities                                    | 22,985                                    | 13,043                              | 12,269               | 14,290           | 68,665                 | 9,779               | 51,778                                  | 82,981                               | 265                                | 276,055      |
| Wholesale trade  | 20,287                                    | 3,033                               | 3,887                | 44,274           | 44,725                 | 1,709               | 16,051                                  | 32,681                               | 1,526                              | 168,174      |
| Retail trade   | 928                                       | 178                                 | 38                   | 5,267            | 1,190                  | 4,206               | 745                                     | 810                                  | 25                                 | 13,387       |
| Finance/insurance/real estate                                      | 24,118                                    | 3,056                               | 1,999                | 11,576           | 54,929                 | 5,055               | 3,653                                   | 414                                  | 1,410                              | 106,210      |
| Services   | 69,164                                    | 235,197                             | 52,427               | 23,072           | 171,262                | 201,442             | 34,153                                  | 41,178                               | 6,512                              | 834,406      |
| Total  | 378,433                                   | 604,951                             | 205,122              | 115,695          | 560,444                | 253,245             | 597,256                                 | 506,786                              | 21,020                             | 3,242,952    |
| Composition  | 11.7%                                     | 18.7%                               | 6.3%                 | 3.6%             | 17.3%                  | 7.8%                | 18.4%                                   | 15.6%                                | 0.6%                               | 100.0%       |
| Defense share of private-sector jobs in each occupational category | 4.2%                                      | 5.1%                                | 6.0%                 | 1.2%             | 3.2%                   | 1.9%                | 5.4%                                    | 3.3%                                 | 0.7%                               | 3.4%         |

Sources: 1991 DEIMS and Table 5-1 of this report.

<sup>a</sup> Predominately engineers and scientists.

**TABLE 5-1**  
Distribution of Occupations by Major Employing Sector  
(Percent)

| Sector                             | Occupation                                |                        |                      |                  |                        |                     |   |                                      |                                    | Total |
|------------------------------------|---|------------------------|----------------------|------------------|------------------------|---------------------|---|--------------------------------------|------------------------------------|-------|
|                                    | Executive, administrative, and managerial | Professional specialty | Technicians/ support | Marketing/ sales | Administrative support | Service occupations | Precision production, craft, and repair | Operators, fabricators, and laborers | Agriculture, forestry, and fishing |       |
| Agriculture                        | 2.6                                       | 3.4                    | 1.0                  | 1.2              | 4.9                    | 1.4                 | 2.6                                     | 6.7                                  | 76.3                               | 100.0 |
| Mining                             | 11.8                                      | 7.7                    | 3.1                  | 1.4              | 11.8                   | 0.9                 | 36.3                                    | 26.9                                 | 0.1                                | 100.0 |
| Construction                       | 11.4                                      | 0.7                    | 0.5                  | 1.2              | 9.6                    | 0.3                 | 52.3                                    | 23.7                                 | 0.1                                | 100.0 |
| Defense manufacturing <sup>a</sup> | 13.3                                      | 20.9                   | 8.0                  | 0.9              | 12.2                   | 1.8                 | 24.5                                    | 18.4                                 | 0.0                                | 100.0 |
| Transportation/public utilities    | 8.3                                       | 4.7                    | 4.4                  | 5.2              | 24.9                   | 3.5                 | 18.8                                    | 30.1                                 | 0.1                                | 100.0 |
| Wholesale trade                    | 12.1                                      | 1.8                    | 2.3                  | 26.3             | 26.6                   | 1.0                 | 9.5                                     | 19.4                                 | 0.9                                | 100.0 |
| Retail trade                       | 6.9                                       | 1.3                    | 0.3                  | 39.3             | 8.9                    | 31.4                | 5.6                                     | 6.1                                  | 0.2                                | 100.0 |
| Finance/insurance/real estate      | 22.7                                      | 2.9                    | 1.9                  | 10.9             | 51.7                   | 4.8                 | 3.4                                     | 0.4                                  | 1.3                                | 100.0 |
| Services                           | 8.3                                       | 28.2                   | 6.3                  | 2.8              | 20.5                   | 24.1                | 4.1                                     | 4.9                                  | 0.8                                | 100.0 |
| Private sector                     | 9.5                                       | 12.6                   | 3.6                  | 10.1             | 18.7                   | 14.1                | 11.7                                    | 16.5                                 | 3.2                                | 100.0 |

Source: BLS, Outlook: 1990-2005, Industry-Occupation Matrices (data diskette), May 1992.  
<sup>a</sup> LMI estimate.

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TABLE 5-3  
Defense-Related Job Losses by Occupation: 1991 to 1997

| Sector                                       | Occupation                                      |  |                         |                     |                           |                        |  |  |  | Total<br>(1991 – 1997) |
|--|---|--|-------------------------|---------------------|---------------------------|------------------------|--|--|--|------------------------|
|  | Executive,<br>administrative,<br>and managerial | Professional<br>specialty <sup>a</sup> | Technicians/<br>support | Marketing/<br>sales | Administrative<br>support | Service<br>occupations | Precision<br>production,<br>craft, and<br>repair | Operators,<br>fabricators,<br>and laborers | Agriculture,<br>forestry,<br>and fishing |                        |
| Agriculture                                  | – 115   | – 153                                  | – 47                    | – 52                | – 217                     | – 65                   | – 115  | – 299                                      | – 3,414                                  | – 4,476                |
| Mining                                       | – 1,627   | – 1,062                                | – 427                   | – 192               | – 1,619                   | – 131                  | – 4,989  | – 3,703                                    | – 11                                     | – 13,760               |
| Construction                                 | – 1,753   | – 105                                  | – 80                    | – 183               | – 1,475                   | – 53                   | – 8,023  | – 3,638                                    | – 16                                     | – 15,326               |
| Defense manufacturing                        | – 82,613  | – 129,525                              | – 49,577                | – 5,578             | – 75,423                  | – 11,234               | – 152,202  | – 114,325                                  | – 31                                     | – 620,508              |
| Transportation/public utilities              | – 7,620   | – 4,324                                | – 4,067                 | – 4,737             | – 22,763                  | – 3,242                | – 17,164   | – 27,508                                   | – 88                                     | – 91,513               |
| Wholesale trade                              | – 5,220   | – 781                                  | – 1,000                 | – 11,393            | – 11,509                  | – 440                  | – 4,130  | – 8,410                                    | – 393                                    | – 43,276               |
| Retail trade                                 | – 239   | – 46                                   | – 10                    | – 1,355             | – 306                     | – 1,082                | – 192  | – 209                                      | – 6                                      | – 3,445                |
| Finance/insurance/real estate                | – 5,153   | – 653                                  | – 427                   | – 2,473             | – 11,737                  | – 1,080                | – 781  | – 88                                       | – 301                                    | – 22,694               |
| Services                                     | – 11,832  | – 40,237                               | – 8,969                 | – 3,947             | – 29,299                  | – 34,462               | – 5,843  | – 7,045                                    | – 1,114                                  | – 142,747              |
| Total  | – 116,171                                       | – 176,885                              | – 64,604                | – 29,911            | – 154,348                 | – 51,788               | – 193,439  | – 165,225                                  | – 5,374                                  | – 957,745              |
| Composition                                  | 12.1%   | 18.5%                                  | 6.7%                    | 3.1%                | 16.1%                     | 5.4%                   | 20.2%  | 17.3%                                      | 0.6%                                     | 100.0%                 |
| Defense jobs lost relative to private sector | – 1.3%  | – 1.5%                                 | – 1.9%                  | – 0.3%              | – 0.9%                    | – 0.4%                 | – 1.8%   | – 1.1%                                     | – 0.2%                                   | – 1.0%                 |

Sources: 1991 DEIMS and Table 5-1 of this report.  
<sup>a</sup> Predominately engineers and scientists.

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"Operators." The row in Table 5-3 entitled "Defense jobs lost relative to private sector" demonstrates that while defense downsizing will eliminate approximately 1 percent of total private-sector payroll employment, those five occupations will absorb above-average reductions.

Because industries that produce goods and services for DoD employ relatively large proportions of people in these five occupations, defense workers who lose their jobs may have some difficulty finding reemployment. Those who lose "Executive," "Professional specialty," and "Technicians" jobs may have a relatively less difficult time because employment in these three occupations is expected by the BLS to increase between 1990 and 2005 by 27.4 percent, 32.3 percent, and 36.9 percent, respectively. Conversely, those who lose "Precision production" and "Operators" jobs may have a significantly more difficult time because employment in these two occupations is projected by the BLS to increase during the same time frame by only 12.6 percent and 4.2 percent, respectively.<sup>2</sup>

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<sup>2</sup>George Silvestri and John Lakasiewicz, "Occupational employment projections," *Outlook: 1990 - 2005* (BLS Bulletin 2402), May 1992, pp. 62 - 65.

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APPENDIX A

Estimated 1991 DoD Purchases  
by Industry

TABLE A-1

*Estimated 1991 DoD Purchases by Industry*

| DEIMS | Industry <sup>a</sup>                          | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|--|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 333   | Communication/search and navigation equipment  | 32,650                      | 5,784                         | 38,434                         | 11.0             | 11.0                 | 1    |
| 406   | Other business services, NEC                   | 14,582                      | 3,112                         | 17,694                         | 5.1              | 16.1                 | 2    |
| 351   | Aircraft                                       | 17,121                      | 70                            | 17,191                         | 4.9              | 21.1                 | 3    |
| 50    | Complete guided missiles                       | 15,910                      | 33                            | 15,943                         | 4.6              | 25.6                 | 4    |
| 353   | Aircraft/missile parts and equipment, NEC      | 6,357                       | 5,718                         | 12,075                         | 3.5              | 29.1                 | 5    |
| 392   | Wholesale trade                                | 1,253                       | 9,375                         | 10,628                         | 3.1              | 32.2                 | 6    |
| 354   | Shipbuilding and repairing                     | 9,085                       | 96                            | 9,181                          | 2.6              | 34.8                 | 7    |
| 398   | Real estate operators, owners, and lessors     | 920                         | 8,058                         | 8,978                          | 2.6              | 37.4                 | 8    |
| 403   | Computer and data processing                   | 1,383                       | 7,028                         | 8,411                          | 2.4              | 39.8                 | 9    |
| 352   | Aircraft/missile engines and parts             | 4,925                       | 2,395                         | 7,320                          | 2.1              | 41.9                 | 10   |
| 413   | Engineering, architecture, and surveying       | 3,413                       | 2,330                         | 5,743                          | 1.6              | 43.6                 | 11   |
| 389   | Electric utilities                             | 1,777                       | 3,718                         | 5,495                          | 1.6              | 45.1                 | 12   |
| 340   | Electronic components, NEC                     | 694                         | 4,796                         | 5,490                          | 1.6              | 46.7                 | 13   |
| 188   | Petroleum refining                             | 2,678                       | 2,688                         | 5,366                          | 1.5              | 48.3                 | 14   |
| 49    | Maintenance and repair construction, public    | 5,115                       | 142                           | 5,257                          | 1.5              | 49.8                 | 15   |
| 168   | Inorganic and organic chemicals                | 1,349                       | 3,438                         | 4,787                          | 1.4              | 51.1                 | 16   |
| 223   | Blast furnaces and steel mills                 | 34                          | 4,656                         | 4,690                          | 1.3              | 52.5                 | 17   |
| 404   | Management, consulting, and labs               | 1,517                       | 2,871                         | 4,388                          | 1.3              | 53.7                 | 18   |
| 19    | Crude petroleum                                | 0                           | 4,311                         | 4,311                          | 1.2              | 55.0                 | 19   |
| 382   | Motor freight                                  | 1,671                       | 2,450                         | 4,121                          | 1.2              | 56.2                 | 20   |
| 415   | Eating and drinking places                     | 493                         | 3,612                         | 4,105                          | 1.2              | 57.3                 | 21   |
| 384   | Air carriers and related services              | 1,742                       | 2,351                         | 4,093                          | 1.2              | 58.5                 | 22   |
| 335   | Semiconductors                                 | 204                         | 3,879                         | 4,083                          | 1.2              | 59.7                 | 23   |
| 405   | Equipment rental and leasing                   | 1,411                       | 2,465                         | 3,876                          | 1.1              | 60.8                 | 24   |
| 197   | Miscellaneous plastic products                 | 4                           | 3,651                         | 3,655                          | 1.1              | 61.9                 | 25   |
| 51    | Ammunition, except small arms, NEC             | 3,558                       | 65                            | 3,623                          | 1.0              | 62.9                 | 26   |
| 387   | Communications, except radio and TV            | 1,032                       | 2,459                         | 3,491                          | 1.0              | 63.9                 | 27   |
| 361   | Engineering and scientific instruments         | 3,133                       | 115                           | 3,248                          | 0.9              | 64.8                 | 28   |
| 303   | Electronic computing equipment                 | 2,677                       | 461                           | 3,138                          | 0.9              | 65.7                 | 29   |
| 424   | Educational services                           | 3,002                       | 129                           | 3,131                          | 0.9              | 66.6                 | 30   |
| 394   | Banking  | 0                           | 2,850                         | 2,850                          | 0.8              | 67.5                 | 31   |
| 48    | Maintenance and repair, private nonresidential | 0                           | 2,809                         | 2,809                          | 0.8              | 68.3                 | 32   |
| 383   | Water transportation and related services      | 1,835                       | 895                           | 2,730                          | 0.8              | 69.0                 | 33   |
| 52    | Tanks and tank components                      | 1,693                       | 992                           | 2,685                          | 0.8              | 69.8                 | 34   |
| 399   | Hotels and lodging places                      | 1,090                       | 1,492                         | 2,582                          | 0.7              | 70.6                 | 35   |
| 390   | Gas utilities                                  | 417                         | 2,016                         | 2,433                          | 0.7              | 71.3                 | 36   |

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

| DEIMS | Industry <sup>a</sup>                                | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|--|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 312   | Electric measuring instruments                       | 1,407                       | 584                           | 1,991                          | 0.6              | 71.8                 | 37   |
| 412   | Legal services                                       | 11                          | 1,769                         | 1,780                          | 0.5              | 72.3                 | 38   |
| 302   | Miscellaneous machinery                              | 18                          | 1,751                         | 1,769                          | 0.5              | 72.9                 | 39   |
| 350   | Motor vehicle parts and accessories                  | 919                         | 838                           | 1,757                          | 0.5              | 73.4                 | 40   |
| 362   | Measuring and control instruments                    | 1,243                       | 482                           | 1,725                          | 0.5              | 73.9                 | 41   |
| 178   | Plastic materials and resins                         | 0                           | 1,638                         | 1,638                          | 0.5              | 74.3                 | 42   |
| 396   | Insurance carriers and agents                        | 2                           | 1,583                         | 1,585                          | 0.5              | 74.8                 | 43   |
| 253   | Fabricated plate work (boilershop)                   | 1,382                       | 181                           | 1,563                          | 0.4              | 75.2                 | 44   |
| 55    | Guns, howitzers, mortars, etc.                       | 1,279                       | 241                           | 1,520                          | 0.4              | 75.7                 | 45   |
| 284   | Special dies, tools, and accessories                 | 253                         | 1,265                         | 1,518                          | 0.4              | 76.1                 | 46   |
| 349   | Other motor vehicles                                 | 1,494                       | 13                            | 1,507                          | 0.4              | 76.5                 | 47   |
| 414   | Accounting, auditing, and miscellaneous professional | 29                          | 1,367                         | 1,396                          | 0.4              | 76.9                 | 48   |
| 281   | Industrial trucks and tractors                       | 1,228                       | 120                           | 1,348                          | 0.4              | 77.3                 | 49   |
| 239   | Aluminum rolling and drawing                         | 0                           | 1,325                         | 1,325                          | 0.4              | 77.7                 | 50   |
| 53    | Small arms   | 1,233                       | 53                            | 1,286                          | 0.4              | 78.1                 | 51   |
| 257   | Screw machine products                               | 360                         | 924                           | 1,284                          | 0.4              | 78.4                 | 52   |
| 425   | Nonprofit organizations                              | 880                         | 400                           | 1,280                          | 0.4              | 78.8                 | 53   |
| 380   | Railroads and rail-related services                  | 502                         | 759                           | 1,261                          | 0.4              | 79.2                 | 54   |
| 315   | Motors and generators                                | 649                         | 609                           | 1,258                          | 0.4              | 79.5                 | 55   |
| 272   | Internal combustion engines, NEC                     | 675                         | 579                           | 1,254                          | 0.4              | 79.9                 | 56   |
| 417   | Auto repair, parking, and washing                    | 15                          | 1,176                         | 1,191                          | 0.3              | 80.2                 | 57   |
| 20    | Natural gas  | 0                           | 1,168                         | 1,168                          | 0.3              | 80.6                 | 58   |
| 241   | Nonferrous wire drawing and insulating               | 0                           | 1,164                         | 1,164                          | 0.3              | 80.9                 | 59   |
| 27    | New industrial buildings                             | 1,085                       | 0                             | 1,085                          | 0.3              | 81.2                 | 60   |
| 363   | Surgical and medical instruments                     | 1,045                       | 16                            | 1,061                          | 0.3              | 81.5                 | 61   |
| 28    | New office buildings                                 | 1,051                       | 0                             | 1,051                          | 0.3              | 81.8                 | 62   |
| 23    | New residential single family housing                | 1,022                       | 0                             | 1,022                          | 0.3              | 82.1                 | 63   |
| 416   | Auto rental and leasing                              | 145                         | 874                           | 1,019                          | 0.3              | 82.4                 | 64   |
| 402   | Personnel supply services                            | 0                           | 1,011                         | 1,011                          | 0.3              | 82.7                 | 65   |
| 18    | Coal mining  | 0                           | 956                           | 956                            | 0.3              | 83.0                 | 66   |
| 235   | Primary aluminum                                     | 0                           | 903                           | 903                            | 0.3              | 83.2                 | 67   |
| 145   | Paper mills, except building paper                   | 17                          | 843                           | 860                            | 0.2              | 83.5                 | 68   |
| 395   | Credit agencies and securities brokers               | 0                           | 858                           | 858                            | 0.2              | 83.7                 | 69   |
| 367   | Optical instruments and lenses                       | 547                         | 307                           | 854                            | 0.2              | 84.0                 | 70   |

Source: 1991 Defense Economic Impact Modeling System (DEIMS)

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

| DEIMS | Industry <sup>a</sup>                           | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|---|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 411   | Other advertising (including signs/direct mail) | 1                           | 850                           | 851                            | 0.2              | 84.2                 | 71   |
| 275   | Construction machinery                          | 424                         | 425                           | 849                            | 0.2              | 84.5                 | 72   |
| 232   | Primary copper                                  | 0                           | 847                           | 847                            | 0.2              | 84.7                 | 73   |
| 393   | Retail trade                                    | 190                         | 656                           | 846                            | 0.2              | 84.9                 | 74   |
| 339   | Connectors, for electronic applications         | 0                           | 835                           | 835                            | 0.2              | 85.2                 | 75   |
| 282   | Machine tools, metal cutting                    | 666                         | 157                           | 823                            | 0.2              | 85.4                 | 76   |
| 155   | Paperboard containers and boxes                 | 39                          | 783                           | 822                            | 0.2              | 85.7                 | 77   |
| 238   | Copper rolling and drawing                      | 209                         | 610                           | 819                            | 0.2              | 85.9                 | 78   |
| 391   | Water and sewer services                        | 99                          | 697                           | 796                            | 0.2              | 86.1                 | 79   |
| 259   | Other metal stampings                           | 0                           | 777                           | 777                            | 0.2              | 86.3                 | 80   |
| 369   | Photographic equipment and supplies             | 339                         | 399                           | 738                            | 0.2              | 86.6                 | 81   |
| 228   | Iron and steel foundries                        | 0                           | 736                           | 736                            | 0.2              | 86.8                 | 82   |
| 300   | General industrial machinery, NEC               | 612                         | 112                           | 724                            | 0.2              | 87.0                 | 83   |
| 264   | Plating and polishing                           | 0                           | 657                           | 657                            | 0.2              | 87.2                 | 84   |
| 407   | Newspaper (national, local, classified)         | 0                           | 656                           | 656                            | 0.2              | 87.4                 | 85   |
| 332   | Telephone and telegraph equipment               | 468                         | 187                           | 655                            | 0.2              | 87.5                 | 86   |
| 56    | Meat packing plants                             | 452                         | 199                           | 651                            | 0.2              | 87.7                 | 87   |
| 268   | Pipe, valves, and pipe fittings                 | 75                          | 558                           | 633                            | 0.2              | 87.9                 | 88   |
| 364   | Surgical appliances and supplies                | 532                         | 96                            | 628                            | 0.2              | 88.1                 | 89   |
| 294   | Pumps and compressors                           | 216                         | 403                           | 619                            | 0.2              | 88.3                 | 90   |
| 161   | Commercial printing                             | 25                          | 573                           | 598                            | 0.2              | 88.4                 | 91   |
| 3     | Livestock                                       | 0                           | 592                           | 592                            | 0.2              | 88.6                 | 92   |
| 104   | Broadwoven fabric plants                        | 48                          | 542                           | 590                            | 0.2              | 88.8                 | 93   |
| 271   | Steam engines and turbines                      | 406                         | 174                           | 580                            | 0.2              | 89.0                 | 94   |
| 242   | Aluminum castings                               | 0                           | 570                           | 570                            | 0.2              | 89.1                 | 95   |
| 298   | Power transmission equipment                    | 87                          | 471                           | 558                            | 0.2              | 89.3                 | 96   |
| 381   | Passenger transportation, NEC                   | 50                          | 504                           | 554                            | 0.2              | 89.4                 | 97   |
| 196   | Fabricated rubber products, NEC                 | 71                          | 479                           | 550                            | 0.2              | 89.6                 | 98   |
| 254   | Sheet metal work                                | 0                           | 543                           | 543                            | 0.2              | 89.7                 | 99   |
| 229   | Iron and steel forgings                         | 123                         | 396                           | 519                            | 0.1              | 89.9                 | 100  |
| 116   | Fabricated textile products, NEC                | 328                         | 190                           | 518                            | 0.1              | 90.0                 | 101  |
| 316   | Industrial controls                             | 29                          | 489                           | 518                            | 0.1              | 90.2                 | 102  |
| 187   | Paints and allied products                      | 0                           | 512                           | 512                            | 0.1              | 90.3                 | 103  |
| 400   | Miscellaneous personal services, NEC            | 2                           | 510                           | 512                            | 0.1              | 90.5                 | 104  |
| 146   | Paperboard mills                                | 4                           | 494                           | 498                            | 0.1              | 90.6                 | 105  |
| 337   | Resistors, for electronic applications          | 221                         | 272                           | 493                            | 0.1              | 90.8                 | 106  |
| 295   | Ball and roller bearings                        | 35                          | 450                           | 485                            | 0.1              | 90.9                 | 107  |

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

| DEIMS | Industry <sup>a</sup>                               | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|---|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 21    | Stone/clay mining and quarrying                     | 0                           | 464                           | 464                            | 0.1              | 91.0                 | 108  |
| 270   | Fabricated metal products, NEC                      | 4                           | 458                           | 462                            | 0.1              | 91.2                 | 109  |
| 251   | Fabricated structural metal                         | 9                           | 444                           | 453                            | 0.1              | 91.3                 | 110  |
| 329   | Wiring devices                                      | 58                          | 393                           | 451                            | 0.1              | 91.4                 | 111  |
| 336   | Electronic capacitors                               | 61                          | 375                           | 436                            | 0.1              | 91.6                 | 112  |
| 418   | Motion pictures                                     | 137                         | 289                           | 426                            | 0.1              | 91.7                 | 113  |
| 117   | Logging camps and contractors                       | 0                           | 422                           | 422                            | 0.1              | 91.8                 | 114  |
| 162   | Manifold business forms                             | 15                          | 401                           | 416                            | 0.1              | 91.9                 | 115  |
| 189   | Lubricating oils and greases                        | 0                           | 409                           | 409                            | 0.1              | 92.0                 | 116  |
| 314   | Switchgear and switchboard                          | 37                          | 369                           | 406                            | 0.1              | 92.2                 | 117  |
| 205   | Glass and glass products, except containers         | 2                           | 392                           | 394                            | 0.1              | 92.3                 | 118  |
| 47    | Maintenance and repair, residential                 | 0                           | 393                           | 393                            | 0.1              | 92.4                 | 119  |
| 193   | Tires and inner tubes                               | 242                         | 147                           | 389                            | 0.1              | 92.5                 | 120  |
| 177   | Chemical preparations, NEC                          | 12                          | 375                           | 387                            | 0.1              | 92.6                 | 121  |
| 266   | Miscellaneous fabricated wire products              | 5                           | 378                           | 383                            | 0.1              | 92.7                 | 122  |
| 345   | Electrical equipment, NEC                           | 361                         | 17                            | 378                            | 0.1              | 92.8                 | 123  |
| 16    | Copper ore mining                                   | 0                           | 375                           | 375                            | 0.1              | 92.9                 | 124  |
| 240   | Nonferrous rolling and drawing, NEC                 | 4                           | 365                           | 369                            | 0.1              | 93.0                 | 125  |
| 265   | Metal coating and allied services                   | 0                           | 369                           | 369                            | 0.1              | 93.1                 | 126  |
| 409   | TV advertising (network, spot, local)               | 0                           | 363                           | 363                            | 0.1              | 93.3                 | 127  |
| 338   | Electronic coils, transformers, and other inductors | 0                           | 361                           | 361                            | 0.1              | 93.4                 | 128  |
| 174   | Explosives  | 280                         | 77                            | 357                            | 0.1              | 93.5                 | 129  |
| 173   | Adhesives and sealants                              | 206                         | 150                           | 356                            | 0.1              | 93.6                 | 130  |
| 245   | Nonferrous forgings                                 | 0                           | 348                           | 348                            | 0.1              | 93.7                 | 131  |
| 385   | Pipelines, except natural gas                       | 0                           | 345                           | 345                            | 0.1              | 93.8                 | 132  |
| 309   | Refrigeration and heating equipment                 | 80                          | 262                           | 342                            | 0.1              | 93.9                 | 133  |
| 114   | Apparel from purchased material                     | 230                         | 105                           | 335                            | 0.1              | 94.0                 | 134  |
| 320   | Household cooking equipment                         | 314                         | 4                             | 318                            | 0.1              | 94.0                 | 135  |
| 12    | Forestry products                                   | 171                         | 146                           | 317                            | 0.1              | 94.1                 | 136  |
| 322   | Household laundry equipment                         | 314                         | 2                             | 316                            | 0.1              | 94.2                 | 137  |
| 14    | Agricultural, forest, and fish services             | 0                           | 315                           | 315                            | 0.1              | 94.3                 | 138  |
| 321   | Household refrigerators and freezers                | 314                         | 1                             | 315                            | 0.1              | 94.4                 | 139  |
| 118   | Sawmills and planing mills, general                 | 0                           | 309                           | 309                            | 0.1              | 94.5                 | 140  |
| 17    | Metal ores mining, NEC                              | 1                           | 293                           | 294                            | 0.1              | 94.6                 | 141  |
| 54    | Small arms ammunition                               | 281                         | 8                             | 289                            | 0.1              | 94.7                 | 142  |

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry

TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

| DEIMS | Industry <sup>a</sup>                     | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|---|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 263   | Hardware, NEC                             | 0                           | 286                           | 286                            | 0.1              | 94.7                 | 143  |
| 40    | New highways and streets                  | 285                         | 0                             | 285                            | 0.1              | 94.8                 | 144  |
| 366   | Watches and clocks                        | 80                          | 193                           | 273                            | 0.1              | 94.9                 | 145  |
| 213   | Ready-mixed concrete                      | 0                           | 264                           | 264                            | 0.1              | 95.0                 | 146  |
| 217   | Abrasive products                         | 0                           | 255                           | 255                            | 0.1              | 95.1                 | 147  |
| 379   | Miscellaneous manufactured durable goods  | 111                         | 144                           | 255                            | 0.1              | 95.1                 | 148  |
| 256   | Miscellaneous metal work                  | 1                           | 252                           | 253                            | 0.1              | 95.2                 | 149  |
| 419   | Amusement and recreation services         | 94                          | 155                           | 249                            | 0.1              | 95.3                 | 150  |
| 334   | Electron tubes/printed circuit boards     | 43                          | 200                           | 243                            | 0.1              | 95.3                 | 151  |
| 15    | Iron and ferroalloy ores mining           | 0                           | 229                           | 229                            | 0.1              | 95.4                 | 152  |
| 423   | Other medical services                    | 206                         | 23                            | 229                            | 0.1              | 95.5                 | 153  |
| 330   | Radio and TV receiving sets               | 103                         | 125                           | 228                            | 0.1              | 95.5                 | 154  |
| 386   | Transportation services, NEC              | 38                          | 188                           | 226                            | 0.1              | 95.6                 | 155  |
| 64    | Fluid milk                                | 135                         | 78                            | 213                            | 0.1              | 95.7                 | 156  |
| 344   | Engine electrical equipment               | 10                          | 202                           | 212                            | 0.1              | 95.7                 | 157  |
| 408   | Magazine advertising                      | 0                           | 210                           | 210                            | 0.1              | 95.8                 | 158  |
| 283   | Machine tools, metal forming              | 130                         | 71                            | 201                            | 0.1              | 95.8                 | 159  |
| 191   | Paving mixtures and blocks                | 0                           | 200                           | 200                            | 0.1              | 95.9                 | 160  |
| 6     | Feed grains and grass seed                | 0                           | 195                           | 195                            | 0.1              | 96.0                 | 161  |
| 150   | Paper coating and glazing                 | 24                          | 164                           | 188                            | 0.1              | 96.0                 | 162  |
| 244   | Nonferrous castings, NEC                  | 0                           | 188                           | 188                            | 0.1              | 96.1                 | 163  |
| 231   | Primary metal products, NEC               | 0                           | 185                           | 185                            | 0.1              | 96.1                 | 164  |
| 25    | New residential additions and alterations | 183                         | 0                             | 183                            | 0.1              | 96.2                 | 165  |
| 319   | Electric industrial apparatus, NEC        | 28                          | 154                           | 182                            | 0.1              | 96.2                 | 166  |
| 313   | Transformers                              | 16                          | 163                           | 179                            | 0.1              | 96.3                 | 167  |
| 79    | Bread, cake, and related products         | 98                          | 80                            | 178                            | 0.1              | 96.3                 | 168  |
| 236   | Primary nonferrous metals, NEC            | 0                           | 178                           | 178                            | 0.1              | 96.4                 | 169  |
| 296   | Blowers and fans                          | 14                          | 164                           | 178                            | 0.1              | 96.4                 | 170  |
| 258   | Automotive stampings                      | 0                           | 177                           | 177                            | 0.1              | 96.5                 | 171  |
| 230   | Metal heat treating                       | 0                           | 176                           | 176                            | 0.1              | 96.5                 | 172  |
| 181   | Organic fibers, noncellulosic             | 0                           | 173                           | 173                            | 0.0              | 96.6                 | 173  |
| 328   | Lighting fixtures                         | 34                          | 134                           | 168                            | 0.0              | 96.6                 | 174  |
| 306   | Office machines, NEC                      | 160                         | 7                             | 167                            | 0.0              | 96.7                 | 175  |
| 44    | New military facilities                   | 164                         | 0                             | 164                            | 0.0              | 96.7                 | 176  |
| 144   | Pulp mills                                | 0                           | 158                           | 158                            | 0.0              | 96.8                 | 177  |
| 293   | Special industry machinery, NEC           | 45                          | 109                           | 154                            | 0.0              | 96.8                 | 178  |
| 76    | Prepared feed, NEC                        | 0                           | 153                           | 153                            | 0.0              | 96.9                 | 179  |
| 160   | Miscellaneous publishing                  | 3                           | 149                           | 152                            | 0.0              | 96.9                 | 180  |
| 346   | Truck and bus bodies                      | 141                         | 9                             | 150                            | 0.0              | 96.9                 | 181  |
| 410   | Radio advertising                         | 0                           | 149                           | 149                            | 0.0              | 97.0                 | 182  |
| 1     | Dairy farm products                       | 0                           | 144                           | 144                            | 0.0              | 97.0                 | 183  |
| 179   | Synthetic rubber                          | 0                           | 144                           | 144                            | 0.0              | 97.1                 | 184  |

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC = not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.



TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

| DEIMS | Industry <sup>a</sup>                    | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|--|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 89    | Bottled and canned soft drinks           | 57                          | 85                            | 142                            | 0.0              | 97.1                 | 185  |
| 224   | Electrometallurgical products            | 0                           | 140                           | 140                            | 0.0              | 97.2                 | 186  |
| 318   | Carbon and graphite products             | 5                           | 134                           | 139                            | 0.0              | 97.2                 | 187  |
| 285   | Power-driven hand tools                  | 101                         | 36                            | 137                            | 0.0              | 97.2                 | 188  |
| 287   | Metalworking machines, NEC               | 99                          | 38                            | 137                            | 0.0              | 97.3                 | 189  |
| 70    | Fresh or frozen packaged fish            | 81                          | 52                            | 133                            | 0.0              | 97.3                 | 190  |
| 182   | Drugs                                    | 10                          | 122                           | 132                            | 0.0              | 97.3                 | 191  |
| 106   | Yarn mills and textile finishing         | 1                           | 126                           | 127                            | 0.0              | 97.4                 | 192  |
| 111   | Textile goods, NEC                       | 40                          | 85                            | 125                            | 0.0              | 97.4                 | 193  |
| 376   | Office and artists' materials            | 42                          | 82                            | 124                            | 0.0              | 97.5                 | 194  |
| 234   | Primary zinc                             | 0                           | 123                           | 123                            | 0.0              | 97.5                 | 195  |
| 246   | Metal cans                               | 0                           | 123                           | 123                            | 0.0              | 97.5                 | 196  |
| 212   | Concrete products, NEC                   | 0                           | 122                           | 122                            | 0.0              | 97.6                 | 197  |
| 2     | Poultry and eggs                         | 23                          | 98                            | 121                            | 0.0              | 97.6                 | 198  |
| 99    | Food preparations, NEC                   | 61                          | 59                            | 120                            | 0.0              | 97.6                 | 199  |
| 218   | Asbestos products and sealing devices    | 16                          | 104                           | 120                            | 0.0              | 97.7                 | 200  |
| 129   | Wood products, NEC                       | 0                           | 118                           | 118                            | 0.0              | 97.7                 | 201  |
| 261   | Hand and edge tools, NEC                 | 0                           | 116                           | 116                            | 0.0              | 97.7                 | 202  |
| 58    | Poultry dressing plants                  | 58                          | 57                            | 115                            | 0.0              | 97.8                 | 203  |
| 157   | Periodicals                              | 0                           | 113                           | 113                            | 0.0              | 97.8                 | 204  |
| 63    | Ice cream and frozen desserts            | 91                          | 21                            | 112                            | 0.0              | 97.8                 | 205  |
| 123   | Veneer and plywood                       | 0                           | 112                           | 112                            | 0.0              | 97.9                 | 206  |
| 147   | Envelopes                                | 14                          | 98                            | 112                            | 0.0              | 97.9                 | 207  |
| 171   | Agricultural chemical, NEC               | 0                           | 108                           | 108                            | 0.0              | 97.9                 | 208  |
| 348   | Automobiles                              | 102                         | 6                             | 108                            | 0.0              | 98.0                 | 209  |
| 61    | Cheese, natural and processed            | 56                          | 49                            | 105                            | 0.0              | 98.0                 | 210  |
| 152   | Die-cut paper and board                  | 30                          | 74                            | 104                            | 0.0              | 98.0                 | 211  |
| 121   | Millwork                                 | 0                           | 103                           | 103                            | 0.0              | 98.0                 | 212  |
| 169   | Fertilizers                              | 0                           | 103                           | 103                            | 0.0              | 98.1                 | 213  |
| 210   | Porcelain plumbing and electrical supply | 0                           | 103                           | 103                            | 0.0              | 98.1                 | 214  |
| 355   | Boatbuilding and repairing               | 81                          | 22                            | 103                            | 0.0              | 98.1                 | 215  |
| 220   | Mineral wool                             | 0                           | 102                           | 102                            | 0.0              | 98.2                 | 216  |
| 280   | Hoists, cranes, and monorails            | 75                          | 24                            | 99                             | 0.0              | 98.2                 | 217  |
| 243   | Brass, bronze, and copper castings       | 24                          | 74                            | 98                             | 0.0              | 98.2                 | 218  |
| 198   | Hose and belting                         | 2                           | 94                            | 96                             | 0.0              | 98.2                 | 219  |
| 207   | Cement, hydraulic                        | 0                           | 96                            | 96                             | 0.0              | 98.3                 | 220  |
| 9     | Vegetables                               | 50                          | 45                            | 95                             | 0.0              | 98.3                 | 221  |
| 22    | Chemical and fertilizer mineral mining   | 0                           | 95                            | 95                             | 0.0              | 98.3                 | 222  |
| 151   | Bags, except textile bags                | 5                           | 90                            | 95                             | 0.0              | 98.4                 | 223  |
| 67    | Canned fruits and vegetables             | 58                          | 35                            | 93                             | 0.0              | 98.4                 | 224  |
| 148   | Sanitary paper products                  | 36                          | 57                            | 93                             | 0.0              | 98.4                 | 225  |
| 311   | Service industry machines, NEC           | 63                          | 28                            | 91                             | 0.0              | 98.4                 | 226  |
| 185   | Surface active agents                    | 0                           | 90                            | 90                             | 0.0              | 98.5                 | 227  |

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC = not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

| DEIMS | Industry <sup>a</sup>                 | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|---------------------------------------|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 88    | Distilled liquor, except brandy       | 0                           | 88                            | 88                             | 0.0              | 98.5                 | 228  |
| 279   | Conveyors and conveying equipment     | 30                          | 57                            | 87                             | 0.0              | 98.5                 | 229  |
| 71    | Frozen fruits and vegetables          | 49                          | 35                            | 84                             | 0.0              | 98.5                 | 230  |
| 342   | Primary batteries, dry and wet        | 61                          | 23                            | 84                             | 0.0              | 98.6                 | 231  |
| 222   | Nonmetallic mineral products, NEC     | 0                           | 82                            | 82                             | 0.0              | 98.6                 | 232  |
| 109   | Miscellaneous textile products        | 2                           | 77                            | 79                             | 0.0              | 98.6                 | 233  |
| 183   | Soap and other detergents             | 0                           | 79                            | 79                             | 0.0              | 98.6                 | 234  |
| 85    | Malt liquors                          | 0                           | 78                            | 78                             | 0.0              | 98.7                 | 235  |
| 13    | Fishery products                      | 0                           | 77                            | 77                             | 0.0              | 98.7                 | 236  |
| 273   | Farm machinery                        | 1                           | 76                            | 77                             | 0.0              | 98.7                 | 237  |
| 143   | Furniture and fixtures, NEC           | 0                           | 76                            | 76                             | 0.0              | 98.7                 | 238  |
| 190   | Production of petroleum and coal, NEC | 32                          | 44                            | 76                             | 0.0              | 98.7                 | 239  |
| 38    | New water supply facilities           | 75                          | 0                             | 75                             | 0.0              | 98.8                 | 240  |
| 46    | New construction, NEC                 | 75                          | 0                             | 75                             | 0.0              | 98.8                 | 241  |
| 158   | Book publishing                       | 0                           | 75                            | 75                             | 0.0              | 98.8                 | 242  |
| 356   | Railroad equipment                    | 16                          | 59                            | 75                             | 0.0              | 98.8                 | 243  |
| 252   | Metal doors, sash, and trims          | 0                           | 74                            | 74                             | 0.0              | 98.8                 | 244  |
| 301   | Carburetors, pistons, and rings       | 16                          | 58                            | 74                             | 0.0              | 98.9                 | 245  |
| 72    | Flour and other grain mill products   | 38                          | 35                            | 73                             | 0.0              | 98.9                 | 246  |
| 341   | Storage batteries                     | 47                          | 26                            | 73                             | 0.0              | 98.9                 | 247  |
| 163   | Blankbooks and looseleaf binder       | 0                           | 72                            | 72                             | 0.0              | 98.9                 | 248  |
| 92    | Soybean oil mills                     | 0                           | 71                            | 71                             | 0.0              | 99.0                 | 249  |
| 128   | Particleboard                         | 0                           | 69                            | 69                             | 0.0              | 99.0                 | 250  |
| 96    | Shortening and cooking oils           | 30                          | 38                            | 68                             | 0.0              | 99.0                 | 251  |
| 115   | House furnishings                     | 34                          | 34                            | 68                             | 0.0              | 99.0                 | 252  |
| 317   | Welding apparatus                     | 3                           | 64                            | 67                             | 0.0              | 99.0                 | 253  |
| 90    | Flavoring extracts and syrups, NEC    | 30                          | 36                            | 66                             | 0.0              | 99.1                 | 254  |
| 327   | Electric lamps                        | 13                          | 53                            | 66                             | 0.0              | 99.1                 | 255  |
| 11    | Oil bearing crops                     | 0                           | 65                            | 65                             | 0.0              | 99.1                 | 256  |
| 57    | Other prepared meats                  | 0                           | 64                            | 64                             | 0.0              | 99.1                 | 257  |
| 130   | Wooden containers                     | 0                           | 64                            | 64                             | 0.0              | 99.1                 | 258  |
| 133   | Wood TV and radio cabinets            | 0                           | 64                            | 64                             | 0.0              | 99.1                 | 259  |
| 219   | Minerals, ground or treated           | 0                           | 63                            | 63                             | 0.0              | 99.2                 | 260  |
| 105   | Narrow fabric mills                   | 23                          | 38                            | 61                             | 0.0              | 99.2                 | 261  |
| 95    | Roasted coffee                        | 33                          | 26                            | 59                             | 0.0              | 99.2                 | 262  |
| 127   | Wood pallets and skids                | 0                           | 59                            | 59                             | 0.0              | 99.2                 | 263  |
| 62    | Condensed and evaporated milk         | 21                          | 36                            | 57                             | 0.0              | 99.2                 | 264  |
| 167   | Printing trade services               | 0                           | 56                            | 56                             | 0.0              | 99.2                 | 265  |
| 175   | Printing ink                          | 0                           | 56                            | 56                             | 0.0              | 99.3                 | 266  |
| 208   | Structural clay products              | 0                           | 56                            | 56                             | 0.0              | 99.3                 | 267  |
| 297   | Industrial patterns                   | 0                           | 55                            | 55                             | 0.0              | 99.3                 | 268  |

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

| DEIMS | Industry <sup>a</sup>                       | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|---|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 154   | Stationery and miscellaneous paper products | 0                           | 54                            | 54                             | 0.0              | 99.3                 | 269  |
| 69    | Pickles, sauces, and salad dressing         | 28                          | 23                            | 51                             | 0.0              | 99.3                 | 270  |
| 126   | Wood preserving                             | 0                           | 50                            | 50                             | 0.0              | 99.3                 | 271  |
| 221   | Nonclay refractories                        | 0                           | 50                            | 50                             | 0.0              | 99.4                 | 272  |
| 276   | Mining machinery, except oil                | 0                           | 49                            | 49                             | 0.0              | 99.4                 | 273  |
| 426   | Social services, NEC                        | 0                           | 49                            | 49                             | 0.0              | 99.4                 | 274  |
| 113   | Knit fabric mills                           | 0                           | 48                            | 48                             | 0.0              | 99.4                 | 275  |
| 81    | Sugar                                       | 4                           | 43                            | 47                             | 0.0              | 99.4                 | 276  |
| 78    | Wet corn milling                            | 0                           | 46                            | 46                             | 0.0              | 99.4                 | 277  |
| 119   | Hardwood dimension and flooring             | 0                           | 45                            | 45                             | 0.0              | 99.4                 | 278  |
| 269   | Metal foil and leaf                         | 0                           | 45                            | 45                             | 0.0              | 99.4                 | 279  |
| 184   | Polishes and sanitation goods               | 0                           | 43                            | 43                             | 0.0              | 99.5                 | 280  |
| 368   | Ophthalmic goods                            | 31                          | 12                            | 43                             | 0.0              | 99.5                 | 281  |
| 420   | Doctors and dentists                        | 23                          | 19                            | 42                             | 0.0              | 99.5                 | 282  |
| 132   | Household furniture, NEC                    | 0                           | 41                            | 41                             | 0.0              | 99.5                 | 283  |
| 192   | Asphalt felts and coatings                  | 0                           | 41                            | 41                             | 0.0              | 99.5                 | 284  |
| 421   | Hospitals                                   | 40                          | 0                             | 40                             | 0.0              | 99.5                 | 285  |
| 214   | Lime  | 0                           | 39                            | 39                             | 0.0              | 99.5                 | 286  |
| 347   | Truck trailers                              | 37                          | 2                             | 39                             | 0.0              | 99.5                 | 287  |
| 255   | Architectural metal work                    | 0                           | 38                            | 38                             | 0.0              | 99.6                 | 288  |
| 247   | Metal barrels, drums, and pails             | 4                           | 33                            | 37                             | 0.0              | 99.6                 | 289  |
| 274   | Lawn and garden equipment                   | 0                           | 37                            | 37                             | 0.0              | 99.6                 | 290  |
| 4     | Cotton                                      | 0                           | 35                            | 35                             | 0.0              | 99.6                 | 291  |
| 87    | Wines, brandy, and brandy spirits           | 0                           | 35                            | 35                             | 0.0              | 99.6                 | 292  |
| 122   | Wood kitchen cabinets                       | 0                           | 35                            | 35                             | 0.0              | 99.6                 | 293  |
| 159   | Book printing                               | 0                           | 35                            | 35                             | 0.0              | 99.6                 | 294  |
| 206   | Glass containers                            | 0                           | 34                            | 34                             | 0.0              | 99.6                 | 295  |
| 199   | Leather tanning and finishing               | 2                           | 31                            | 33                             | 0.0              | 99.6                 | 296  |
| 82    | Confectionery products                      | 18                          | 14                            | 32                             | 0.0              | 99.6                 | 297  |
| 10    | Miscellaneous crops                         | 0                           | 31                            | 31                             | 0.0              | 99.7                 | 298  |
| 262   | Hand saws and saw blades                    | 0                           | 31                            | 31                             | 0.0              | 99.7                 | 299  |
| 292   | Printing trades machinery                   | 3                           | 27                            | 30                             | 0.0              | 99.7                 | 300  |
| 108   | Floor coverings                             | 14                          | 15                            | 29                             | 0.0              | 99.7                 | 301  |
| 110   | Tire cord and fabric                        | 0                           | 29                            | 29                             | 0.0              | 99.7                 | 302  |
| 180   | Cellulosic man-made fibers                  | 0                           | 29                            | 29                             | 0.0              | 99.7                 | 303  |
| 249   | Plumbing fittings and trim                  | 0                           | 28                            | 28                             | 0.0              | 99.7                 | 304  |
| 310   | Measuring and dispensing pumps              | 25                          | 3                             | 28                             | 0.0              | 99.7                 | 305  |
| 59    | Poultry and egg processing                  | 9                           | 18                            | 27                             | 0.0              | 99.7                 | 306  |
| 8     | Fruits and nuts                             | 11                          | 15                            | 26                             | 0.0              | 99.7                 | 307  |
| 60    | Creamery butter                             | 19                          | 7                             | 26                             | 0.0              | 99.7                 | 308  |
| 357   | Motorcycles, bicycles, and parts            | 4                           | 22                            | 26                             | 0.0              | 99.7                 | 309  |
| 375   | Toys and sporting goods                     | 9                           | 17                            | 26                             | 0.0              | 99.7                 | 310  |

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC= not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

| DEIMS | Industry <sup>a</sup>                   | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|---|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 250   | Heating equipment, except electric      | 1                           | 24                            | 25                             | 0.0              | 99.8                 | 311  |
| 288   | Food products machinery                 | 6                           | 18                            | 24                             | 0.0              | 99.8                 | 312  |
| 378   | Brooms and hard surface floor coverings | 0                           | 24                            | 24                             | 0.0              | 99.8                 | 313  |
| 125   | Prefabricated wood structures           | 0                           | 23                            | 23                             | 0.0              | 99.8                 | 314  |
| 211   | Concrete block and brick                | 0                           | 23                            | 23                             | 0.0              | 99.8                 | 315  |
| 80    | Cookies and crackers                    | 10                          | 12                            | 22                             | 0.0              | 99.8                 | 316  |
| 94    | Animal and marine fats and oils         | 0                           | 22                            | 22                             | 0.0              | 99.8                 | 317  |
| 172   | Gum and wood chemicals                  | 0                           | 22                            | 22                             | 0.0              | 99.8                 | 318  |
| 165   | Engraving and plate printing            | 0                           | 21                            | 21                             | 0.0              | 99.8                 | 319  |
| 176   | Carbon black                            | 0                           | 21                            | 21                             | 0.0              | 99.8                 | 320  |
| 215   | Gypsum products                         | 0                           | 21                            | 21                             | 0.0              | 99.8                 | 321  |
| 225   | Steel wire and related products         | 11                          | 10                            | 21                             | 0.0              | 99.8                 | 322  |
| 233   | Primary lead                            | 0                           | 21                            | 21                             | 0.0              | 99.8                 | 323  |
| 291   | Paper industries machinery              | 0                           | 21                            | 21                             | 0.0              | 99.8                 | 324  |
| 65    | Canned and cured seafoods               | 13                          | 7                             | 20                             | 0.0              | 99.8                 | 325  |
| 124   | Structural wood members, NEC            | 0                           | 20                            | 20                             | 0.0              | 99.8                 | 326  |
| 139   | Public building furniture               | 0                           | 20                            | 20                             | 0.0              | 99.9                 | 327  |
| 93    | Vegetable oil mills, NEC                | 0                           | 19                            | 19                             | 0.0              | 99.9                 | 328  |
| 204   | Leather goods, NEC                      | 11                          | 8                             | 19                             | 0.0              | 99.9                 | 329  |
| 286   | Rolling mill machinery                  | 0                           | 19                            | 19                             | 0.0              | 99.9                 | 330  |
| 304   | Calculating and accounting machines     | 19                          | 0                             | 19                             | 0.0              | 99.9                 | 331  |
| 5     | Food grains                             | 0                           | 18                            | 18                             | 0.0              | 99.9                 | 332  |
| 68    | Dehydrated food products                | 9                           | 9                             | 18                             | 0.0              | 99.9                 | 333  |
| 216   | Cut stone and stone products            | 0                           | 18                            | 18                             | 0.0              | 99.9                 | 334  |
| 74    | Blended and prepared flour              | 11                          | 5                             | 16                             | 0.0              | 99.9                 | 335  |
| 278   | Elevators and moving stairways          | 0                           | 16                            | 16                             | 0.0              | 99.9                 | 336  |
| 267   | Steel springs                           | 0                           | 14                            | 14                             | 0.0              | 99.9                 | 337  |
| 308   | Commercial laundry equipment            | 14                          | 0                             | 14                             | 0.0              | 99.9                 | 338  |
| 140   | Wood partitions and fixtures            | 0                           | 13                            | 13                             | 0.0              | 99.9                 | 339  |
| 166   | Bookbinding and related work            | 0                           | 12                            | 12                             | 0.0              | 99.9                 | 340  |
| 203   | Luggage                                 | 6                           | 6                             | 12                             | 0.0              | 99.9                 | 341  |
| 326   | Household appliances, NEC               | 3                           | 9                             | 12                             | 0.0              | 99.9                 | 342  |
| 360   | Transportation equipment, NEC           | 0                           | 12                            | 12                             | 0.0              | 99.9                 | 343  |
| 370   | Jewelry, precious metal                 | 1                           | 11                            | 12                             | 0.0              | 99.9                 | 344  |
| 371   | Jewelers materials                      | 2                           | 10                            | 12                             | 0.0              | 99.9                 | 345  |
| 377   | Miscellaneous notions                   | 1                           | 11                            | 12                             | 0.0              | 99.9                 | 346  |
| 66    | Canned specialties                      | 8                           | 3                             | 11                             | 0.0              | 99.9                 | 347  |
| 248   | Metal sanitary ware                     | 0                           | 11                            | 11                             | 0.0              | 99.9                 | 348  |
| 107   | Thread mills                            | 1                           | 9                             | 10                             | 0.0              | 99.9                 | 349  |
| 289   | Textile machinery                       | 0                           | 10                            | 10                             | 0.0              | 99.9                 | 350  |
| 372   | Silverware and plated ware              | 8                           | 2                             | 10                             | 0.0              | 100.0                | 351  |

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

| DEIMS | Industry <sup>a</sup>                   | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|---|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 323   | Electric housewares and fans            | 1                           | 8                             | 9                              | 0.0              | 100.0                | 352  |
| 365   | Dental equipment and supplies           | 8                           | 1                             | 9                              | 0.0              | 100.0                | 353  |
| 75    | Pet food                                | 0                           | 8                             | 8                              | 0.0              | 100.0                | 354  |
| 83    | Chocolate and cocoa products            | 3                           | 5                             | 8                              | 0.0              | 100.0                | 355  |
| 343   | X-ray apparatus and tubes               | 3                           | 5                             | 8                              | 0.0              | 100.0                | 356  |
| 120   | Special product sawmills, NEC           | 0                           | 7                             | 7                              | 0.0              | 100.0                | 357  |
| 260   | Cutlery                                 | 0                           | 7                             | 7                              | 0.0              | 100.0                | 358  |
| 277   | Oil field machinery                     | 1                           | 6                             | 7                              | 0.0              | 100.0                | 359  |
| 299   | Industrial furnaces and ovens           | 0                           | 7                             | 7                              | 0.0              | 100.0                | 360  |
| 77    | Rice milling                            | 2                           | 4                             | 6                              | 0.0              | 100.0                | 361  |
| 91    | Cottonseed oil mills                    | 0                           | 6                             | 6                              | 0.0              | 100.0                | 362  |
| 98    | Macaroni and spaghetti                  | 4                           | 2                             | 6                              | 0.0              | 100.0                | 363  |
| 325   | Sewing machines                         | 1                           | 5                             | 6                              | 0.0              | 100.0                | 364  |
| 97    | Manufactured ice                        | 3                           | 2                             | 5                              | 0.0              | 100.0                | 365  |
| 149   | Building paper and board mills          | 0                           | 5                             | 5                              | 0.0              | 100.0                | 366  |
| 186   | Toilet preparations                     | 0                           | 5                             | 5                              | 0.0              | 100.0                | 367  |
| 209   | Kitchen pottery products                | 0                           | 5                             | 5                              | 0.0              | 100.0                | 368  |
| 388   | Radio and TV broadcasting               | 0                           | 5                             | 5                              | 0.0              | 100.0                | 369  |
| 73    | Cereal preparations                     | 3                           | 1                             | 4                              | 0.0              | 100.0                | 370  |
| 138   | Metal office furniture                  | 4                           | 0                             | 4                              | 0.0              | 100.0                | 371  |
| 141   | Metal partitions and fixtures           | 2                           | 2                             | 4                              | 0.0              | 100.0                | 372  |
| 201   | Footwear, NEC                           | 4                           | 0                             | 4                              | 0.0              | 100.0                | 373  |
| 307   | Automatic merchandising machines        | 0                           | 4                             | 4                              | 0.0              | 100.0                | 374  |
| 331   | Phonograph records and tape             | 1                           | 3                             | 4                              | 0.0              | 100.0                | 375  |
| 373   | Costume jewelry                         | 0                           | 4                             | 4                              | 0.0              | 100.0                | 376  |
| 86    | Malt                                    | 0                           | 3                             | 3                              | 0.0              | 100.0                | 377  |
| 153   | Pressed and molded pulp goods           | 0                           | 3                             | 3                              | 0.0              | 100.0                | 378  |
| 374   | Musical instruments and parts           | 1                           | 2                             | 3                              | 0.0              | 100.0                | 379  |
| 84    | Chewing gum                             | 0                           | 2                             | 2                              | 0.0              | 100.0                | 380  |
| 135   | Metal household furniture               | 0                           | 2                             | 2                              | 0.0              | 100.0                | 381  |
| 156   | Newspapers                              | 0                           | 2                             | 2                              | 0.0              | 100.0                | 382  |
| 195   | Reclaimed rubber                        | 0                           | 2                             | 2                              | 0.0              | 100.0                | 383  |
| 202   | Leather gloves and mittens              | 2                           | 0                             | 2                              | 0.0              | 100.0                | 384  |
| 324   | Household vacuum cleaners               | 0                           | 2                             | 2                              | 0.0              | 100.0                | 385  |
| 164   | Greeting card publishing                | 0                           | 1                             | 1                              | 0.0              | 100.0                | 386  |
| 200   | Footwear cut stock                      | 0                           | 1                             | 1                              | 0.0              | 100.0                | 387  |
| 290   | Woodworking machinery                   | 0                           | 1                             | 1                              | 0.0              | 100.0                | 388  |
| 358   | Travel trailers and campers             | 0                           | 1                             | 1                              | 0.0              | 100.0                | 389  |
| 7     | Tobacco                                 | 0                           | 0                             | 0                              | 0.0              | 100.0                | 390  |
| 24    | New residential multi-family housing    | 0                           | 0                             | 0                              | 0.0              | 100.0                | 391  |
| 26    | New hotels, motels, and dormitories     | 0                           | 0                             | 0                              | 0.0              | 100.0                | 392  |
| 29    | New commercial buildings, except office | 0                           | 0                             | 0                              | 0.0              | 100.0                | 393  |
| 30    | New religious buildings                 | 0                           | 0                             | 0                              | 0.0              | 100.0                | 394  |
| 31    | New educational buildings               | 0                           | 0                             | 0                              | 0.0              | 100.0                | 395  |

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

| DEIMS | Industry <sup>a</sup>                       | Direct purchases (1993 \$M) | Indirect purchases (1993 \$M) | DoD total purchases (1993 \$M) | Percent of total | Cumulative (percent) | Rank |
|-------|---|-----------------------------|-------------------------------|--------------------------------|------------------|----------------------|------|
| 32    | New hospital and institutional buildings    | 0                           | 0                             | 0                              | 0.0              | 100.0                | 396  |
| 33    | New telephone and telegraph facilities      | 0                           | 0                             | 0                              | 0.0              | 100.0                | 397  |
| 34    | New railroads                               | 0                           | 0                             | 0                              | 0.0              | 100.0                | 398  |
| 35    | New electric utility facilities             | 0                           | 0                             | 0                              | 0.0              | 100.0                | 399  |
| 36    | New gas utility facilities                  | 0                           | 0                             | 0                              | 0.0              | 100.0                | 400  |
| 37    | New petroleum pipelines                     | 0                           | 0                             | 0                              | 0.0              | 100.0                | 401  |
| 39    | New sewer facilities                        | 0                           | 0                             | 0                              | 0.0              | 100.0                | 402  |
| 41    | New farm service facilities                 | 0                           | 0                             | 0                              | 0.0              | 100.0                | 403  |
| 42    | New petroleum and natural gas drilling      | 0                           | 0                             | 0                              | 0.0              | 100.0                | 404  |
| 43    | Explosive and solid access structures       | 0                           | 0                             | 0                              | 0.0              | 100.0                | 405  |
| 45    | New conservation and development facilities | 0                           | 0                             | 0                              | 0.0              | 100.0                | 406  |
| 100   | Cigarettes                                  | 0                           | 0                             | 0                              | 0.0              | 100.0                | 407  |
| 101   | Cigars                                      | 0                           | 0                             | 0                              | 0.0              | 100.0                | 408  |
| 102   | Chewing and smoking tobacco                 | 0                           | 0                             | 0                              | 0.0              | 100.0                | 409  |
| 103   | Tobacco steaming and redrying               | 0                           | 0                             | 0                              | 0.0              | 100.0                | 410  |
| 112   | Hosiery and knit goods                      | 0                           | 0                             | 0                              | 0.0              | 100.0                | 411  |
| 131   | Wood household furniture                    | 0                           | 0                             | 0                              | 0.0              | 100.0                | 412  |
| 134   | Upholstered household furniture             | 0                           | 0                             | 0                              | 0.0              | 100.0                | 413  |
| 136   | Mattresses and bedsprings                   | 0                           | 0                             | 0                              | 0.0              | 100.0                | 414  |
| 137   | Wood office furniture                       | 0                           | 0                             | 0                              | 0.0              | 100.0                | 415  |
| 142   | Venetian blinds and shades                  | 0                           | 0                             | 0                              | 0.0              | 100.0                | 416  |
| 170   | Fertilizers, mixing only                    | 0                           | 0                             | 0                              | 0.0              | 100.0                | 417  |
| 194   | Rubber and plastics footwear                | 0                           | 0                             | 0                              | 0.0              | 100.0                | 418  |
| 226   | Cold finishing, steel shapes                | 0                           | 0                             | 0                              | 0.0              | 100.0                | 419  |
| 227   | Steel pipe and tubes                        | 0                           | 0                             | 0                              | 0.0              | 100.0                | 420  |
| 237   | Secondary nonferrous metals                 | 0                           | 0                             | 0                              | 0.0              | 100.0                | 421  |
| 305   | Scales and balances                         | 0                           | 0                             | 0                              | 0.0              | 100.0                | 422  |
| 359   | Mobile homes                                | 0                           | 0                             | 0                              | 0.0              | 100.0                | 423  |
| 397   | Owner occupied dwellings                    | 0                           | 0                             | 0                              | 0.0              | 100.0                | 424  |
| 401   | Beauty and barber shops                     | 0                           | 0                             | 0                              | 0.0              | 100.0                | 425  |
| 422   | Nursing and personal care                   | 0                           | 0                             | 0                              | 0.0              | 100.0                | 426  |
| -     | Total                                       | 176,620                     | 171,442                       | 348,062                        | 100.0            | -                    | -    |

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC= not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

**TABLE A-2*****Estimated 1991 DoD Purchases: Sector Summary***

| Sector                          | Direct<br>purchases<br>(1993 \$M) | Indirect<br>purchases<br>(1993 \$M) | DoD total<br>purchases<br>(1993 \$M) | Percent<br>of total | Cumulative<br>(percent) |
|---------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------|-------------------------|
| Manufacturing                   | 127,307                           | 85,755                              | 213,062                              | 61.2                | 61.2                    |
| Services                        | 28,474                            | 32,909                              | 61,383                               | 17.6                | 78.8                    |
| Transportation/public utilities | 9,163                             | 16,387                              | 25,550                               | 7.3                 | 86.2                    |
| Finance/insurance/real estate   | 922                               | 13,349                              | 14,271                               | 4.1                 | 90.3                    |
| Construction                    | 9,055                             | 3,344                               | 12,399                               | 3.6                 | 93.9                    |
| Wholesale trade                 | 1,253                             | 9,375                               | 10,628                               | 3.1                 | 96.9                    |
| Mining                          | 1                                 | 7,891                               | 7,892                                | 2.3                 | 99.2                    |
| Agriculture                     | 255                               | 1,776                               | 2,031                                | 0.6                 | 99.8                    |
| Retail trade                    | 190                               | 656                                 | 846                                  | 0.2                 | 100.0                   |
| Total                           | 176,620                           | 171,442                             | 348,062                              | 100.0               | 100.0                   |

Source: 1991 DEIMS.

Note: Because of double counting, direct plus indirect purchases exceed outlays.

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APPENDIX B

**1991 Defense Prime Contract  
Awards by Standard Industrial  
Classification**



**TABLE B-1***1991 Defense Prime Contract Awards by Standard Industrial Classification*

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Cumulative value<br>of transactions (\$000) |
|-----------------------|----------------------------------|---|
| 181                   | 398                              | 398   |
| 279                   | 1,063                            | 1,461                                       |
| 291                   | 273                              | 1,734                                       |
| 721                   | 233                              | 1,967                                       |
| 782                   | 60,783                           | 62,750                                      |
| 821                   | 688                              | 63,438                                      |
| 851                   | 2,204                            | 65,642                                      |
| 921                   | 67                               | 65,709                                      |
| 1000                  | 76                               | 65,785                                      |
| 1311                  | 473                              | 66,258                                      |
| 1382                  | 1,248                            | 67,506                                      |
| 1453                  | 3,554                            | 71,060                                      |
| 1521                  | 552,397                          | 623,457                                     |
| 1522                  | 328,266                          | 951,723                                     |
| 1541                  | 1,529,602                        | 2,481,325                                   |
| 1542                  | 3,839,679                        | 6,321,004                                   |
| 1611                  | 226,760                          | 6,547,764                                   |
| 1622                  | 253,007                          | 6,800,771                                   |
| 1623                  | 46,330                           | 6,847,101                                   |
| 1629                  | 1,229,756                        | 8,076,857                                   |
| 1711                  | 3,013                            | 8,079,870                                   |
| 1731                  | 1,747                            | 8,081,617                                   |
| 1752                  | 798                              | 8,082,415                                   |
| 1794                  | 26,631                           | 8,109,046                                   |
| 1795                  | 8,938                            | 8,117,984                                   |
| 1796                  | 951                              | 8,118,935                                   |
| 1799                  | 2,634                            | 8,121,569                                   |
| 2011                  | 474,836                          | 8,596,405                                   |
| 2022                  | 108,242                          | 8,704,647                                   |
| 2032                  | 21,703                           | 8,726,350                                   |
| 2033                  | 234,319                          | 8,960,669                                   |
| 2041                  | 194,553                          | 9,155,222                                   |
| 2048                  | 11,470                           | 9,166,692                                   |
| 2065                  | 79,179                           | 9,245,871                                   |
| 2079                  | 22,566                           | 9,268,437                                   |
| 2086                  | 41,032                           | 9,309,469                                   |
| 2099                  | 927,214                          | 10,236,683                                  |
| 2111                  | 97,583                           | 10,334,266                                  |
| 2241                  | 3,538                            | 10,337,804                                  |
| 2251                  | 1,776                            | 10,339,580                                  |
| 2252                  | 32,519                           | 10,372,099                                  |
| 2261                  | 31,920                           | 10,404,019                                  |
| 2271                  | 12,023                           | 10,416,042                                  |
| 2284                  | 215                              | 10,416,257                                  |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-1**

*1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)*

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Cumulative value<br>of transactions (\$000) |
|-----------------------|----------------------------------|---|
| 2293                  | 298                              | 10,416,555                                  |
| 2297                  | 48,246                           | 10,464,801                                  |
| 2298                  | 11,125                           | 10,475,926                                  |
| 2311                  | 107,864                          | 10,583,790                                  |
| 2321                  | 28,793                           | 10,612,583                                  |
| 2329                  | 468,329                          | 11,080,912                                  |
| 2337                  | 14,762                           | 11,095,674                                  |
| 2339                  | 3,902                            | 11,099,576                                  |
| 2341                  | 1,112                            | 11,100,688                                  |
| 2361                  | 7,897                            | 11,108,585                                  |
| 2392                  | 20,920                           | 11,129,505                                  |
| 2393                  | 97,651                           | 11,227,156                                  |
| 2394                  | 65,887                           | 11,293,043                                  |
| 2399                  | 100,683                          | 11,393,726                                  |
| 2421                  | 8,168                            | 11,401,894                                  |
| 2431                  | 160                              | 11,402,054                                  |
| 2435                  | 6,264                            | 11,408,318                                  |
| 2511                  | 50,530                           | 11,458,848                                  |
| 2521                  | 153,645                          | 11,612,493                                  |
| 2522                  | 20,116                           | 11,632,609                                  |
| 2531                  | 15,778                           | 11,648,387                                  |
| 2591                  | 3,277                            | 11,651,664                                  |
| 2599                  | 72,047                           | 11,723,711                                  |
| 2631                  | 12,018                           | 11,735,729                                  |
| 2641                  | 5,964                            | 11,741,693                                  |
| 2643                  | 22,528                           | 11,764,221                                  |
| 2647                  | 27,662                           | 11,791,883                                  |
| 2653                  | 31,210                           | 11,823,093                                  |
| 2661                  | 2,548                            | 11,825,641                                  |
| 2711                  | 5,083                            | 11,830,724                                  |
| 2731                  | 49,183                           | 11,879,907                                  |
| 2741                  | 73,736                           | 11,953,643                                  |
| 2751                  | 746                              | 11,954,389                                  |
| 2752                  | 455                              | 11,954,844                                  |
| 2753                  | 11,295                           | 11,966,139                                  |
| 2761                  | 16,624                           | 11,982,763                                  |
| 2813                  | 58,429                           | 12,041,192                                  |
| 2819                  | 627                              | 12,041,819                                  |
| 2821                  | 229                              | 12,042,048                                  |
| 2831                  | 386,012                          | 12,428,060                                  |
| 2842                  | 35,318                           | 12,463,378                                  |
| 2844                  | 27,625                           | 12,491,003                                  |
| 2851                  | 5,850                            | 12,496,853                                  |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

TABLE B-1

1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Cumulative value<br>of transactions (\$000) |
|-----------------------|----------------------------------|---|
| 2865                  | 23,977                           | 12,520,830                                  |
| 2869                  | 68,362                           | 12,589,192                                  |
| 2873                  | 314                              | 12,589,506                                  |
| 2879                  | 56,917                           | 12,646,423                                  |
| 2891                  | 1,045                            | 12,647,468                                  |
| 2892                  | 1,111,272                        | 13,758,740                                  |
| 2899                  | 102,136                          | 13,860,876                                  |
| 2911                  | 3,249,579                        | 17,110,455                                  |
| 2992                  | 152,005                          | 17,262,460                                  |
| 2951                  | 9,758                            | 17,272,218                                  |
| 2999                  | 38,375                           | 17,310,593                                  |
| 3011                  | 114,202                          | 17,424,795                                  |
| 3041                  | 24,133                           | 17,448,928                                  |
| 3069                  | 25,487                           | 17,474,415                                  |
| 3079                  | 77,292                           | 17,551,707                                  |
| 3111                  | 157                              | 17,551,864                                  |
| 3131                  | 45                               | 17,551,909                                  |
| 3143                  | 139,577                          | 17,691,486                                  |
| 3144                  | 3,054                            | 17,694,540                                  |
| 3161                  | 10,433                           | 17,704,973                                  |
| 3199                  | 314                              | 17,705,287                                  |
| 3229                  | 1,052                            | 17,706,339                                  |
| 3262                  | 3,635                            | 17,709,974                                  |
| 3271                  | 143                              | 17,710,117                                  |
| 3272                  | 3,057                            | 17,713,174                                  |
| 3291                  | 2,382                            | 17,715,556                                  |
| 3293                  | 22,341                           | 17,737,897                                  |
| 3297                  | 56                               | 17,737,953                                  |
| 3299                  | 7,880                            | 17,745,833                                  |
| 3312                  | 31,628                           | 17,777,461                                  |
| 3313                  | 28                               | 17,777,489                                  |
| 3315                  | 5,020                            | 17,782,509                                  |
| 3317                  | 21,995                           | 17,804,504                                  |
| 3330                  | 374                              | 17,804,878                                  |
| 3339                  | 2,520                            | 17,807,398                                  |
| 3353                  | 11,571                           | 17,818,969                                  |
| 3356                  | 4,114                            | 17,823,083                                  |
| 3357                  | 34,351                           | 17,857,434                                  |
| 3412                  | 8,220                            | 17,865,654                                  |
| 3421                  | 15,764                           | 17,881,418                                  |
| 3423                  | 16,309                           | 17,897,727                                  |
| 3429                  | (48)                             | 17,897,679                                  |
| 3432                  | 4,550                            | 17,902,229                                  |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

TABLE B-1

1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Cumulative value<br>of transactions (\$000) |
|-----------------------|----------------------------------|---|
| 3433                  | 4,671                            | 17,906,900                                  |
| 3441                  | 3,951                            | 17,910,851                                  |
| 3443                  | 279,686                          | 18,190,537                                  |
| 3444                  | 1,108                            | 18,191,645                                  |
| 3446                  | 3,061                            | 18,194,706                                  |
| 3448                  | 110,686                          | 18,305,392                                  |
| 3449                  | 40,037                           | 18,345,429                                  |
| 3452                  | 31,378                           | 18,376,807                                  |
| 3469                  | 6,416                            | 18,383,223                                  |
| 3482                  | 697,532                          | 19,080,755                                  |
| 3483                  | 2,202,268                        | 21,283,023                                  |
| 3484                  | 360,515                          | 21,643,538                                  |
| 3489                  | 856,018                          | 22,499,556                                  |
| 3493                  | 1,881                            | 22,501,437                                  |
| 3494                  | 157,988                          | 22,659,425                                  |
| 3496                  | 44,822                           | 22,704,247                                  |
| 3499                  | 60,747                           | 22,764,994                                  |
| 3511                  | 385,330                          | 23,150,324                                  |
| 3519                  | 396,492                          | 23,546,816                                  |
| 3523                  | (2,906)                          | 23,543,910                                  |
| 3524                  | 2,891                            | 23,546,801                                  |
| 3531                  | 76,681                           | 23,623,482                                  |
| 3532                  | 7,266                            | 23,630,748                                  |
| 3533                  | 107                              | 23,630,855                                  |
| 3534                  | 28                               | 23,630,883                                  |
| 3535                  | 7,770                            | 23,638,653                                  |
| 3536                  | 49,267                           | 23,687,920                                  |
| 3537                  | 625,212                          | 24,313,132                                  |
| 3541                  | 116,525                          | 24,429,657                                  |
| 3542                  | 8,852                            | 24,438,509                                  |
| 3544                  | 336                              | 24,438,845                                  |
| 3545                  | 3,910                            | 24,442,755                                  |
| 3546                  | 3,573                            | 24,446,328                                  |
| 3547                  | 50                               | 24,446,378                                  |
| 3549                  | 27,878                           | 24,474,256                                  |
| 3551                  | 49,428                           | 24,523,684                                  |
| 3552                  | 42                               | 24,523,726                                  |
| 3553                  | 590                              | 24,524,316                                  |
| 3554                  | 1,890                            | 24,526,206                                  |
| 3555                  | 43,589                           | 24,569,795                                  |
| 3559                  | 20,282                           | 24,590,077                                  |
| 3561                  | 70,997                           | 24,661,074                                  |
| 3562                  | 63,082                           | 24,724,156                                  |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

TABLE B-1

1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Cumulative value<br>of transactions (\$000) |
|-----------------------|----------------------------------|---|
| 3563                  | 36,093                           | 24,760,249                                  |
| 3564                  | 41,044                           | 24,801,293                                  |
| 3566                  | 178,143                          | 24,979,436                                  |
| 3567                  | 6,703                            | 24,986,139                                  |
| 3568                  | 26,512                           | 25,012,651                                  |
| 3569                  | 329,191                          | 25,341,842                                  |
| 3572                  | 593                              | 25,342,435                                  |
| 3573                  | 2,222,209                        | 27,564,644                                  |
| 3574                  | 445                              | 27,565,089                                  |
| 3579                  | 5,993                            | 27,571,082                                  |
| 3581                  | 111                              | 27,571,193                                  |
| 3582                  | 4,476                            | 27,575,669                                  |
| 3585                  | 105,090                          | 27,680,759                                  |
| 3589                  | 47,850                           | 27,728,609                                  |
| 3599                  | 26                               | 27,728,635                                  |
| 3612                  | 3,731                            | 27,732,366                                  |
| 3613                  | 74,916                           | 27,807,282                                  |
| 3621                  | 335,984                          | 28,143,266                                  |
| 3622                  | 45,303                           | 28,188,569                                  |
| 3623                  | 9,038                            | 28,197,607                                  |
| 3624                  | 2,140                            | 28,199,747                                  |
| 3639                  | 9,231                            | 28,208,978                                  |
| 3641                  | 7,387                            | 28,216,365                                  |
| 3643                  | 69,551                           | 28,285,916                                  |
| 3644                  | 27,922                           | 28,313,838                                  |
| 3647                  | 17,570                           | 28,331,408                                  |
| 3648                  | 33,525                           | 28,364,933                                  |
| 3651                  | 64,425                           | 28,429,358                                  |
| 3652                  | 1,594                            | 28,430,952                                  |
| 3661                  | 256,339                          | 28,687,291                                  |
| 3662                  | 12,641,570                       | 41,328,861                                  |
| 3671                  | 262,394                          | 41,591,255                                  |
| 3674                  | 312,179                          | 41,903,434                                  |
| 3675                  | 2,035                            | 41,905,469                                  |
| 3676                  | 4,305                            | 41,909,774                                  |
| 3677                  | 23,604                           | 41,933,378                                  |
| 3679                  | 1,316,660                        | 43,250,038                                  |
| 3691                  | 64,592                           | 43,314,630                                  |
| 3692                  | 65,038                           | 43,379,668                                  |
| 3693                  | 99,499                           | 43,479,167                                  |
| 3699                  | 38,268                           | 43,517,435                                  |
| 3711                  | 1,180,112                        | 44,697,547                                  |
| 3714                  | 916,004                          | 45,613,551                                  |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

TABLE B-1

1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Cumulative value<br>of transactions (\$000) |
|-----------------------|----------------------------------|---|
| 3715                  | 122,943                          | 45,736,494                                  |
| 3721                  | 16,808,045                       | 62,544,539                                  |
| 3724                  | 3,470,763                        | 66,015,302                                  |
| 3728                  | 3,797,778                        | 69,813,080                                  |
| 3731                  | 5,962,181                        | 75,775,261                                  |
| 3732                  | 40,440                           | 75,815,701                                  |
| 3743                  | 8,063                            | 75,823,764                                  |
| 3751                  | 1,241                            | 75,825,005                                  |
| 3761                  | 13,702,293                       | 89,527,298                                  |
| 3764                  | 43,736                           | 89,571,034                                  |
| 3795                  | 2,364,678                        | 91,935,712                                  |
| 3811                  | 540,976                          | 92,476,688                                  |
| 3822                  | 799                              | 92,477,487                                  |
| 3823                  | 49,189                           | 92,526,676                                  |
| 3824                  | 41,773                           | 92,568,449                                  |
| 3825                  | 510,610                          | 93,079,059                                  |
| 3829                  | 24,178                           | 93,103,237                                  |
| 3832                  | 119,807                          | 93,223,044                                  |
| 3841                  | 115,988                          | 93,339,032                                  |
| 3842                  | 123,060                          | 93,462,092                                  |
| 3843                  | 7,575                            | 93,469,667                                  |
| 3861                  | 83,154                           | 93,552,821                                  |
| 3911                  | 87                               | 93,552,908                                  |
| 3914                  | 350                              | 93,553,258                                  |
| 3931                  | 835                              | 93,554,093                                  |
| 3944                  | 437                              | 93,554,530                                  |
| 3949                  | 6,149                            | 93,560,679                                  |
| 3952                  | 4,964                            | 93,565,643                                  |
| 3962                  | 36                               | 93,565,679                                  |
| 3991                  | 3,057                            | 93,568,736                                  |
| 3993                  | 2,367                            | 93,571,103                                  |
| 3999                  | 476,688                          | 94,047,791                                  |
| 4011                  | 83                               | 94,047,874                                  |
| 4111                  | 2,231                            | 94,050,105                                  |
| 4119                  | 2,186                            | 94,052,291                                  |
| 4121                  | 150                              | 94,052,441                                  |
| 4141                  | 2,605                            | 94,055,046                                  |
| 4212                  | 81,645                           | 94,136,691                                  |
| 4213                  | 1,704                            | 94,138,395                                  |
| 4214                  | 8,460                            | 94,146,855                                  |
| 4225                  | 7,310                            | 94,154,165                                  |
| 4226                  | 42,887                           | 94,197,052                                  |
| 4411                  | 324,248                          | 94,521,300                                  |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-1**

*1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)*

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Cumulative value<br>of transactions (\$000) |
|-----------------------|----------------------------------|---|
| 4454                  | 3,605                            | 94,524,905                                  |
| 4463                  | 193,209                          | 94,718,114                                  |
| 4469                  | 477,132                          | 95,195,246                                  |
| 4511                  | 2,370,742                        | 97,565,988                                  |
| 4521                  | 24,174                           | 97,590,162                                  |
| 4582                  | 130,059                          | 97,720,221                                  |
| 4583                  | 1,876                            | 97,722,097                                  |
| 4612                  | 20,227                           | 97,742,324                                  |
| 4722                  | 7,479                            | 97,749,803                                  |
| 4811                  | 197,445                          | 97,947,248                                  |
| 4833                  | 6,097                            | 97,953,345                                  |
| 4899                  | 133,243                          | 98,086,588                                  |
| 4911                  | 623,797                          | 98,710,385                                  |
| 4923                  | 176,439                          | 98,886,824                                  |
| 4939                  | 2,322                            | 98,889,146                                  |
| 4941                  | 30,813                           | 98,919,959                                  |
| 4952                  | 13,614                           | 98,933,573                                  |
| 4953                  | 70,041                           | 99,003,614                                  |
| 5043                  | 33                               | 99,003,647                                  |
| 5051                  | 81                               | 99,003,728                                  |
| 5063                  | 465                              | 99,004,193                                  |
| 5075                  | 56                               | 99,004,249                                  |
| 5081                  | 18,006                           | 99,022,255                                  |
| 5082                  | 150                              | 99,022,405                                  |
| 5084                  | 4,645                            | 99,027,050                                  |
| 5085                  | 11,943                           | 99,038,993                                  |
| 5086                  | 1,755                            | 99,040,748                                  |
| 5088                  | 707                              | 99,041,455                                  |
| 5141                  | 133,274                          | 99,174,729                                  |
| 5161                  | 133                              | 99,174,862                                  |
| 5171                  | 11,785                           | 99,186,647                                  |
| 5271                  | 72                               | 99,186,719                                  |
| 5531                  | 226                              | 99,186,945                                  |
| 5812                  | 318,496                          | 99,505,441                                  |
| 6324                  | 131,659                          | 99,637,100                                  |
| 6411                  | 137,441                          | 99,774,541                                  |
| 6512                  | 4,671                            | 99,779,212                                  |
| 6531                  | 18,485                           | 99,797,697                                  |
| 7011                  | 30,803                           | 99,828,500                                  |
| 7217                  | 536                              | 99,829,036                                  |
| 7218                  | 33,381                           | 99,862,417                                  |
| 7261                  | 206                              | 99,862,623                                  |
| 7299                  | 75                               | 99,862,698                                  |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

TABLE B-1

1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Cumulative value<br>of transactions (\$000) |
|-----------------------|----------------------------------|---|
| 7311                  | 118,203                          | 99,980,901                                  |
| 7332                  | 2,407                            | 99,983,308                                  |
| 7333                  | 17,438                           | 100,000,746                                 |
| 7339                  | 2,649                            | 100,003,395                                 |
| 7342                  | 1,661                            | 100,005,056                                 |
| 7349                  | 394,916                          | 100,399,972                                 |
| 7362                  | 119                              | 100,400,091                                 |
| 7369                  | 260,273                          | 100,660,364                                 |
| 7372                  | 1,385,028                        | 102,045,392                                 |
| 7374                  | 1,899,021                        | 103,944,413                                 |
| 7379                  | 68,869                           | 104,013,282                                 |
| 7391                  | 6,680,808                        | 110,694,090                                 |
| 7392                  | 1,044,680                        | 111,738,770                                 |
| 7393                  | 82,044                           | 111,820,814                                 |
| 7394                  | 350,935                          | 112,171,749                                 |
| 7395                  | 3,127                            | 112,174,876                                 |
| 7397                  | 113,829                          | 112,288,705                                 |
| 7399                  | 411,963                          | 112,700,668                                 |
| 7512                  | 38,775                           | 112,739,443                                 |
| 7513                  | 241                              | 112,739,684                                 |
| 7525                  | 1,267                            | 112,740,951                                 |
| 7538                  | 43,400                           | 112,784,351                                 |
| 7623                  | 14,210                           | 112,798,561                                 |
| 7629                  | 56,173                           | 112,854,734                                 |
| 7641                  | 1,987                            | 112,856,721                                 |
| 7699                  | 71,239                           | 112,927,960                                 |
| 7813                  | 13,158                           | 112,941,118                                 |
| 8011                  | 428                              | 112,941,546                                 |
| 8049                  | 16,949                           | 112,958,495                                 |
| 8051                  | 16,249                           | 112,974,744                                 |
| 8062                  | 71,673                           | 113,046,417                                 |
| 8071                  | 24,504                           | 113,070,921                                 |
| 8081                  | 102,768                          | 113,173,689                                 |
| 8111                  | 4,177                            | 113,177,866                                 |
| 8221                  | 1,211,474                        | 114,389,340                                 |
| 8331                  | 133,459                          | 114,522,799                                 |
| 8399                  | 9,837                            | 114,532,636                                 |
| 8641                  | 756                              | 114,533,392                                 |
| 8911                  | 7,209,132                        | 121,742,524                                 |
| 8922                  | 1,101,806                        | 122,844,330                                 |
| 8922                  | 84                               | 122,844,414                                 |
| 8931                  | 9,348                            | 122,853,762                                 |
| 8999                  | 1,275                            | 122,855,037                                 |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.



**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Sorted by Value of Transaction)*

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Percentage<br>of total | Cumulative<br>percentage |
|-----------------------|----------------------------------|------------------------|--------------------------|
| 3721                  | 16,808,045                       | 13.681201              | 13.681201                |
| 3761                  | 13,702,293                       | 11.153220              | 24.834422                |
| 3662                  | 12,641,570                       | 10.289826              | 35.124248                |
| 8911                  | 7,209,132                        | 5.867999               | 40.992247                |
| 7391                  | 6,680,808                        | 5.437960               | 46.430207                |
| 3731                  | 5,962,181                        | 4.853021               | 51.283228                |
| 1542                  | 3,839,679                        | 3.125374               | 54.408602                |
| 3728                  | 3,797,778                        | 3.091268               | 57.499870                |
| 3724                  | 3,470,763                        | 2.825088               | 60.324958                |
| 2911                  | 3,249,579                        | 2.645052               | 62.970009                |
| 4511                  | 2,370,742                        | 1.929707               | 64.899716                |
| 3795                  | 2,364,678                        | 1.924771               | 66.824487                |
| 3573                  | 2,222,209                        | 1.808806               | 68.633293                |
| 3483                  | 2,202,268                        | 1.792574               | 70.425867                |
| 7374                  | 1,899,021                        | 1.545741               | 71.971608                |
| 1541                  | 1,529,602                        | 1.245046               | 73.216655                |
| 7372                  | 1,385,028                        | 1.127368               | 74.344022                |
| 3679                  | 1,316,660                        | 1.071718               | 75.415741                |
| 1629                  | 1,229,756                        | 1.000981               | 76.416722                |
| 8221                  | 1,211,474                        | 0.986100               | 77.402822                |
| 3711                  | 1,180,112                        | 0.960573               | 78.363395                |
| 2892                  | 1,111,272                        | 0.904539               | 79.267934                |
| 8922                  | 1,101,806                        | 0.896834               | 80.164768                |
| 7392                  | 1,044,680                        | 0.850336               | 81.015104                |
| 2099                  | 927,214                          | 0.754722               | 81.769826                |
| 3714                  | 916,004                          | 0.745597               | 82.515423                |
| 3489                  | 856,018                          | 0.696771               | 83.212194                |
| 3482                  | 697,532                          | 0.567768               | 83.779963                |
| 3537                  | 625,212                          | 0.508902               | 84.288865                |
| 4911                  | 623,797                          | 0.507750               | 84.796615                |
| 1521                  | 552,397                          | 0.449633               | 85.246248                |
| 3811                  | 540,976                          | 0.440337               | 85.686585                |
| 3825                  | 510,610                          | 0.415620               | 86.102205                |
| 4469                  | 477,132                          | 0.388370               | 86.490575                |
| 3999                  | 476,688                          | 0.388009               | 86.878584                |
| 2011                  | 474,836                          | 0.386501               | 87.265085                |
| 2329                  | 468,329                          | 0.381205               | 87.646289                |
| 7399                  | 411,963                          | 0.335324               | 87.981614                |
| 3519                  | 396,492                          | 0.322732               | 88.304345                |
| 7349                  | 394,916                          | 0.321449               | 88.625794                |
| 2831                  | 386,012                          | 0.314201               | 88.939995                |
| 3511                  | 385,330                          | 0.313646               | 89.253641                |
| 3484                  | 360,515                          | 0.293447               | 89.547089                |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Percentage<br>of total | Cumulative<br>percentage |
|-----------------------|----------------------------------|------------------------|--------------------------|
| 7394                  | 350,935                          | 0.285650               | 89.832738                |
| 3621                  | 335,984                          | 0.273480               | 90.106218                |
| 3569                  | 329,191                          | 0.267951               | 90.374169                |
| 1522                  | 328,266                          | 0.267198               | 90.641367                |
| 4411                  | 324,248                          | 0.263927               | 90.905294                |
| 5812                  | 318,496                          | 0.259245               | 91.164540                |
| 3674                  | 312,179                          | 0.254104               | 91.418643                |
| 3443                  | 279,686                          | 0.227655               | 91.646299                |
| 3671                  | 262,394                          | 0.213580               | 91.859879                |
| 7369                  | 260,273                          | 0.211854               | 92.071732                |
| 3661                  | 256,339                          | 0.208652               | 92.280384                |
| 1622                  | 253,007                          | 0.205939               | 92.486324                |
| 2033                  | 234,319                          | 0.190728               | 92.677052                |
| 1611                  | 226,760                          | 0.184575               | 92.861627                |
| 4811                  | 197,445                          | 0.160714               | 93.022341                |
| 2041                  | 194,553                          | 0.158360               | 93.180700                |
| 4463                  | 193,209                          | 0.157266               | 93.337966                |
| 3566                  | 178,143                          | 0.145003               | 93.482969                |
| 4923                  | 176,439                          | 0.143616               | 93.626584                |
| 3494                  | 157,988                          | 0.128597               | 93.755182                |
| 2521                  | 153,645                          | 0.125062               | 93.880244                |
| 2992                  | 152,005                          | 0.123727               | 94.003971                |
| 3143                  | 139,577                          | 0.113611               | 94.117582                |
| 6411                  | 137,441                          | 0.111872               | 94.229454                |
| 8331                  | 133,459                          | 0.108631               | 94.338086                |
| 5141                  | 133,274                          | 0.108481               | 94.446566                |
| 4899                  | 133,243                          | 0.108455               | 94.555022                |
| 6324                  | 131,659                          | 0.107166               | 94.662188                |
| 4582                  | 130,059                          | 0.105864               | 94.768052                |
| 3842                  | 123,060                          | 0.100167               | 94.868219                |
| 3715                  | 122,943                          | 0.100072               | 94.968290                |
| 3832                  | 119,807                          | 0.097519               | 95.065809                |
| 7311                  | 118,203                          | 0.096213               | 95.162023                |
| 3541                  | 116,525                          | 0.094848               | 95.256870                |
| 3841                  | 115,988                          | 0.094410               | 95.351281                |
| 3011                  | 114,202                          | 0.092957               | 95.444237                |
| 7397                  | 113,829                          | 0.092653               | 95.536890                |
| 3448                  | 110,686                          | 0.090095               | 95.626985                |
| 2022                  | 108,242                          | 0.088105               | 95.715091                |
| 2311                  | 107,864                          | 0.087798               | 95.802888                |
| 3585                  | 105,090                          | 0.085540               | 95.888428                |
| 8081                  | 102,768                          | 0.083650               | 95.972078                |
| 2899                  | 102,136                          | 0.083135               | 96.055213                |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Percentage<br>of total | Cumulative<br>percentage |
|-----------------------|----------------------------------|------------------------|--------------------------|
| 2399                  | 100,683                          | 0.081953               | 96.137166                |
| 3693                  | 99,499                           | 0.080989               | 96.218155                |
| 2393                  | 97,651                           | 0.079485               | 96.297640                |
| 2111                  | 97,583                           | 0.079429               | 96.377069                |
| 3861                  | 83,154                           | 0.067685               | 96.444754                |
| 7393                  | 82,044                           | 0.066781               | 96.511535                |
| 4212                  | 81,645                           | 0.066456               | 96.577991                |
| 2065                  | 79,179                           | 0.064449               | 96.642440                |
| 3079                  | 77,292                           | 0.062913               | 96.705354                |
| 3531                  | 76,681                           | 0.062416               | 96.767769                |
| 3613                  | 74,916                           | 0.060979               | 96.828749                |
| 2741                  | 73,736                           | 0.060019               | 96.888767                |
| 2599                  | 72,047                           | 0.058644               | 96.947411                |
| 8062                  | 71,673                           | 0.058339               | 97.005751                |
| 7699                  | 71,239                           | 0.057986               | 97.063737                |
| 3561                  | 70,997                           | 0.057789               | 97.121526                |
| 4953                  | 70,041                           | 0.057011               | 97.178537                |
| 3643                  | 69,551                           | 0.056612               | 97.235150                |
| 7379                  | 68,869                           | 0.056057               | 97.291207                |
| 2869                  | 68,362                           | 0.055644               | 97.346851                |
| 2394                  | 65,887                           | 0.053630               | 97.400481                |
| 3692                  | 65,038                           | 0.052939               | 97.453420                |
| 3691                  | 64,592                           | 0.052576               | 97.505996                |
| 3651                  | 64,425                           | 0.052440               | 97.558435                |
| 3562                  | 63,082                           | 0.051347               | 97.609782                |
| 782                   | 60,783                           | 0.049475               | 97.659258                |
| 3499                  | 60,747                           | 0.049446               | 97.708704                |
| 2813                  | 58,429                           | 0.047559               | 97.756263                |
| 2879                  | 56,917                           | 0.046329               | 97.802592                |
| 7629                  | 56,173                           | 0.045723               | 97.848315                |
| 2511                  | 50,530                           | 0.041130               | 97.889444                |
| 3551                  | 49,428                           | 0.040233               | 97.929677                |
| 3536                  | 49,267                           | 0.040102               | 97.969779                |
| 3823                  | 49,189                           | 0.040038               | 98.009817                |
| 2731                  | 49,183                           | 0.040033               | 98.049850                |
| 2297                  | 48,246                           | 0.039271               | 98.089121                |
| 3589                  | 47,850                           | 0.038948               | 98.128069                |
| 1623                  | 46,330                           | 0.037711               | 98.165781                |
| 3622                  | 45,303                           | 0.036875               | 98.202656                |
| 3496                  | 44,822                           | 0.036484               | 98.239139                |
| 3764                  | 43,736                           | 0.035600               | 98.274739                |
| 3555                  | 43,589                           | 0.035480               | 98.310219                |
| 7538                  | 43,400                           | 0.035326               | 98.345545                |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Percentage<br>of total | Cumulative<br>percentage |
|-----------------------|----------------------------------|------------------------|--------------------------|
| 4226                  | 42,887                           | 0.034909               | 98.380454                |
| 3824                  | 41,773                           | 0.034002               | 98.414456                |
| 3564                  | 41,044                           | 0.033408               | 98.447864                |
| 2086                  | 41,032                           | 0.033399               | 98.481263                |
| 3732                  | 40,440                           | 0.032917               | 98.514180                |
| 3449                  | 40,037                           | 0.032589               | 98.546769                |
| 7512                  | 38,775                           | 0.031562               | 98.578330                |
| 2999                  | 38,375                           | 0.031236               | 98.609566                |
| 3699                  | 38,268                           | 0.031149               | 98.640715                |
| 3563                  | 36,093                           | 0.029379               | 98.670094                |
| 2842                  | 35,318                           | 0.028748               | 98.698841                |
| 3357                  | 34,351                           | 0.027961               | 98.726802                |
| 3648                  | 33,525                           | 0.027288               | 98.754090                |
| 7218                  | 33,381                           | 0.027171               | 98.781261                |
| 2252                  | 32,519                           | 0.026469               | 98.807731                |
| 2261                  | 31,920                           | 0.025982               | 98.833712                |
| 3312                  | 31,628                           | 0.025744               | 98.859457                |
| 3452                  | 31,378                           | 0.025541               | 98.884997                |
| 2653                  | 31,210                           | 0.025404               | 98.910401                |
| 4941                  | 30,813                           | 0.025081               | 98.935482                |
| 7011                  | 30,803                           | 0.025073               | 98.960555                |
| 2321                  | 28,793                           | 0.023437               | 98.983991                |
| 3644                  | 27,922                           | 0.022728               | 99.006719                |
| 3549                  | 27,878                           | 0.022692               | 99.029411                |
| 2647                  | 27,662                           | 0.022516               | 99.051927                |
| 2844                  | 27,625                           | 0.022486               | 99.074412                |
| 1794                  | 26,631                           | 0.021677               | 99.096089                |
| 3568                  | 26,512                           | 0.021580               | 99.117669                |
| 3069                  | 25,487                           | 0.020746               | 99.138415                |
| 8071                  | 24,504                           | 0.019945               | 99.158360                |
| 3829                  | 24,178                           | 0.019680               | 99.178040                |
| 4521                  | 24,174                           | 0.019677               | 99.197717                |
| 3041                  | 24,133                           | 0.019643               | 99.217361                |
| 2865                  | 23,977                           | 0.019516               | 99.236877                |
| 3677                  | 23,604                           | 0.019213               | 99.256090                |
| 2079                  | 22,566                           | 0.018368               | 99.274458                |
| 2643                  | 22,528                           | 0.018337               | 99.292795                |
| 3293                  | 22,341                           | 0.018185               | 99.310980                |
| 3317                  | 21,995                           | 0.017903               | 99.328883                |
| 2032                  | 21,703                           | 0.017666               | 99.346549                |
| 2392                  | 20,920                           | 0.017028               | 99.363577                |
| 3559                  | 20,282                           | 0.016509               | 99.380086                |
| 4612                  | 20,227                           | 0.016464               | 99.396550                |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
(Sorted by Value of Transaction)

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Percentage<br>of total | Cumulative<br>percentage |
|-----------------------|----------------------------------|------------------------|--------------------------|
| 2522                  | 20,116                           | 0.016374               | 99.412924                |
| 6531                  | 18,485                           | 0.015046               | 99.427970                |
| 5081                  | 18,006                           | 0.014656               | 99.442626                |
| 3647                  | 17,570                           | 0.014301               | 99.456927                |
| 7333                  | 17,438                           | 0.014194               | 99.471121                |
| 8049                  | 16,949                           | 0.013796               | 99.484917                |
| 2761                  | 16,624                           | 0.013531               | 99.498449                |
| 3423                  | 16,309                           | 0.013275               | 99.511724                |
| 8051                  | 16,249                           | 0.013226               | 99.524950                |
| 2531                  | 15,778                           | 0.012843               | 99.537793                |
| 3421                  | 15,764                           | 0.012831               | 99.550624                |
| 2337                  | 14,762                           | 0.012016               | 99.562640                |
| 7623                  | 14,210                           | 0.011566               | 99.574206                |
| 4952                  | 13,614                           | 0.011081               | 99.585288                |
| 7813                  | 13,158                           | 0.010710               | 99.595998                |
| 2271                  | 12,023                           | 0.009786               | 99.605784                |
| 2631                  | 12,018                           | 0.009782               | 99.615566                |
| 5085                  | 11,943                           | 0.009721               | 99.625288                |
| 5171                  | 11,785                           | 0.009593               | 99.634880                |
| 3353                  | 11,571                           | 0.009418               | 99.644299                |
| 2048                  | 11,470                           | 0.009336               | 99.653635                |
| 2753                  | 11,295                           | 0.009194               | 99.662829                |
| 2298                  | 11,125                           | 0.009055               | 99.671884                |
| 3161                  | 10,433                           | 0.008492               | 99.680376                |
| 8399                  | 9,837                            | 0.008007               | 99.688383                |
| 2951                  | 9,758                            | 0.007943               | 99.696326                |
| 8931                  | 9,348                            | 0.007609               | 99.703935                |
| 3639                  | 9,231                            | 0.007514               | 99.711449                |
| 3623                  | 9,038                            | 0.007357               | 99.718805                |
| 1795                  | 8,938                            | 0.007275               | 99.726080                |
| 3542                  | 8,852                            | 0.007205               | 99.733286                |
| 4214                  | 8,460                            | 0.006886               | 99.740172                |
| 3412                  | 8,220                            | 0.006691               | 99.746863                |
| 2421                  | 8,168                            | 0.006648               | 99.753511                |
| 3743                  | 8,063                            | 0.006563               | 99.760074                |
| 2361                  | 7,897                            | 0.006428               | 99.766502                |
| 3299                  | 7,880                            | 0.006414               | 99.772916                |
| 3535                  | 7,770                            | 0.006325               | 99.779241                |
| 3843                  | 7,575                            | 0.006166               | 99.785406                |
| 4722                  | 7,479                            | 0.006088               | 99.791494                |
| 3641                  | 7,387                            | 0.006013               | 99.797507                |
| 4225                  | 7,310                            | 0.005950               | 99.803457                |
| 3532                  | 7,266                            | 0.005914               | 99.809371                |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

TABLE B-2

1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)  
 (Sorted by Value of Transaction)

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Percentage<br>of total | Cumulative<br>percentage |
|-----------------------|----------------------------------|------------------------|--------------------------|
| 3567                  | 6,703                            | 0.005456               | 99.814827                |
| 3469                  | 6,416                            | 0.005222               | 99.820050                |
| 2435                  | 6,264                            | 0.005099               | 99.825148                |
| 3949                  | 6,149                            | 0.005005               | 99.830153                |
| 4833                  | 6,097                            | 0.004963               | 99.835116                |
| 3579                  | 5,993                            | 0.004878               | 99.839994                |
| 2641                  | 5,964                            | 0.004855               | 99.844849                |
| 2851                  | 5,850                            | 0.004762               | 99.849611                |
| 2711                  | 5,083                            | 0.004137               | 99.853748                |
| 3315                  | 5,020                            | 0.004086               | 99.857834                |
| 3952                  | 4,964                            | 0.004041               | 99.861875                |
| 3433                  | 4,671                            | 0.003802               | 99.865677                |
| 6512                  | 4,671                            | 0.003802               | 99.869479                |
| 5084                  | 4,645                            | 0.003781               | 99.873260                |
| 3432                  | 4,550                            | 0.003704               | 99.876963                |
| 3582                  | 4,476                            | 0.003643               | 99.880606                |
| 3676                  | 4,305                            | 0.003504               | 99.884111                |
| 8111                  | 4,177                            | 0.003400               | 99.887511                |
| 3356                  | 4,114                            | 0.003349               | 99.890859                |
| 3441                  | 3,951                            | 0.003216               | 99.894075                |
| 3545                  | 3,910                            | 0.003183               | 99.897258                |
| 2339                  | 3,902                            | 0.003176               | 99.900434                |
| 3612                  | 3,731                            | 0.003037               | 99.903471                |
| 3262                  | 3,635                            | 0.002959               | 99.906430                |
| 4454                  | 3,605                            | 0.002934               | 99.909364                |
| 3546                  | 3,573                            | 0.002908               | 99.912272                |
| 1453                  | 3,554                            | 0.002893               | 99.915165                |
| 2241                  | 3,538                            | 0.002880               | 99.918045                |
| 2591                  | 3,277                            | 0.002667               | 99.920712                |
| 7395                  | 3,127                            | 0.002545               | 99.923258                |
| 3446                  | 3,061                            | 0.002492               | 99.925749                |
| 3272                  | 3,057                            | 0.002488               | 99.928237                |
| 3991                  | 3,057                            | 0.002488               | 99.930726                |
| 3144                  | 3,054                            | 0.002486               | 99.933212                |
| 1711                  | 3,013                            | 0.002452               | 99.935664                |
| 3524                  | 2,891                            | 0.002353               | 99.938017                |
| 7339                  | 2,649                            | 0.002156               | 99.940173                |
| 1799                  | 2,634                            | 0.002144               | 99.942317                |
| 4141                  | 2,605                            | 0.002120               | 99.944438                |
| 2661                  | 2,548                            | 0.002074               | 99.946512                |
| 3339                  | 2,520                            | 0.002051               | 99.948563                |
| 7332                  | 2,407                            | 0.001959               | 99.950522                |
| 3291                  | 2,382                            | 0.001939               | 99.952461                |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Percentage<br>of total | Cumulative<br>percentage |
|-----------------------|----------------------------------|------------------------|--------------------------|
| 3993                  | 2,367                            | 0.001927               | 99.954388                |
| 4939                  | 2,322                            | 0.001890               | 99.956278                |
| 4111                  | 2,231                            | 0.001816               | 99.958094                |
| 851                   | 2,204                            | 0.001794               | 99.959888                |
| 4119                  | 2,186                            | 0.001779               | 99.961667                |
| 3624                  | 2,140                            | 0.001742               | 99.963409                |
| 3675                  | 2,035                            | 0.001656               | 99.965065                |
| 7641                  | 1,987                            | 0.001617               | 99.966683                |
| 3554                  | 1,890                            | 0.001538               | 99.968221                |
| 3493                  | 1,881                            | 0.001531               | 99.969752                |
| 4583                  | 1,876                            | 0.001527               | 99.971279                |
| 2251                  | 1,776                            | 0.001446               | 99.972725                |
| 5086                  | 1,755                            | 0.001429               | 99.974153                |
| 1731                  | 1,747                            | 0.001422               | 99.975575                |
| 4213                  | 1,704                            | 0.001387               | 99.976962                |
| 7342                  | 1,661                            | 0.001352               | 99.978314                |
| 3652                  | 1,594                            | 0.001297               | 99.979612                |
| 8999                  | 1,275                            | 0.001038               | 99.980650                |
| 7525                  | 1,267                            | 0.001031               | 99.981681                |
| 1382                  | 1,248                            | 0.001016               | 99.982697                |
| 3751                  | 1,241                            | 0.001010               | 99.983707                |
| 2341                  | 1,112                            | 0.000905               | 99.984612                |
| 3444                  | 1,108                            | 0.000902               | 99.985514                |
| 279                   | 1,063                            | 0.000865               | 99.986379                |
| 3229                  | 1,052                            | 0.000856               | 99.987235                |
| 2891                  | 1,045                            | 0.000851               | 99.988086                |
| 1796                  | 951                              | 0.000774               | 99.988860                |
| 3931                  | 835                              | 0.000680               | 99.989540                |
| 3822                  | 799                              | 0.000650               | 99.990190                |
| 1752                  | 798                              | 0.000650               | 99.990840                |
| 8641                  | 756                              | 0.000615               | 99.991455                |
| 2751                  | 746                              | 0.000607               | 99.992062                |
| 5088                  | 707                              | 0.000575               | 99.992638                |
| 821                   | 688                              | 0.000560               | 99.993198                |
| 2819                  | 627                              | 0.000510               | 99.993708                |
| 3572                  | 593                              | 0.000483               | 99.994191                |
| 3553                  | 590                              | 0.000480               | 99.994671                |
| 7217                  | 536                              | 0.000436               | 99.995107                |
| 1311                  | 473                              | 0.000385               | 99.995492                |
| 5063                  | 465                              | 0.000378               | 99.995871                |
| 2752                  | 455                              | 0.000370               | 99.996241                |
| 3574                  | 445                              | 0.000362               | 99.996603                |
| 3944                  | 437                              | 0.000356               | 99.996959                |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

TABLE B-2

1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)  
(Sorted by Value of Transaction)

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Percentage<br>of total | Cumulative<br>percentage |
|-----------------------|----------------------------------|------------------------|--------------------------|
| 8011                  | 428                              | 0.000348               | 99.997307                |
| 181                   | 398                              | 0.000324               | 99.997631                |
| 3330                  | 374                              | 0.000304               | 99.997936                |
| 3914                  | 350                              | 0.000285               | 99.998221                |
| 3544                  | 336                              | 0.000273               | 99.998494                |
| 2873                  | 314                              | 0.000256               | 99.998750                |
| 3199                  | 314                              | 0.000256               | 99.999005                |
| 2293                  | 298                              | 0.000243               | 99.999248                |
| 291                   | 273                              | 0.000222               | 99.999470                |
| 7513                  | 241                              | 0.000196               | 99.999666                |
| 721                   | 233                              | 0.000190               | 99.999856                |
| 2821                  | 229                              | 0.000186               | 100.000042               |
| 5531                  | 226                              | 0.000184               | 100.000226               |
| 2284                  | 215                              | 0.000175               | 100.000401               |
| 7261                  | 206                              | 0.000168               | 100.000569               |
| 2431                  | 160                              | 0.000130               | 100.000699               |
| 3111                  | 157                              | 0.000128               | 100.000827               |
| 4121                  | 150                              | 0.000122               | 100.000949               |
| 5082                  | 150                              | 0.000122               | 100.001071               |
| 3271                  | 143                              | 0.000116               | 100.001188               |
| 5161                  | 133                              | 0.000108               | 100.001296               |
| 7362                  | 119                              | 0.000097               | 100.001393               |
| 3581                  | 111                              | 0.000090               | 100.001483               |
| 3533                  | 107                              | 0.000087               | 100.001570               |
| 3911                  | 87                               | 0.000071               | 100.001641               |
| 8922                  | 84                               | 0.000068               | 100.001709               |
| 4011                  | 83                               | 0.000068               | 100.001777               |
| 5051                  | 81                               | 0.000066               | 100.001843               |
| 1000                  | 76                               | 0.000062               | 100.001905               |
| 7299                  | 75                               | 0.000061               | 100.001966               |
| 5271                  | 72                               | 0.000059               | 100.002024               |
| 921                   | 67                               | 0.000055               | 100.002079               |
| 3297                  | 56                               | 0.000046               | 100.002124               |
| 5075                  | 56                               | 0.000046               | 100.002170               |
| 3547                  | 50                               | 0.000041               | 100.002211               |
| 3131                  | 45                               | 0.000037               | 100.002247               |
| 3552                  | 42                               | 0.000034               | 100.002282               |
| 3962                  | 36                               | 0.000029               | 100.002311               |
| 5043                  | 33                               | 0.000027               | 100.002338               |
| 3313                  | 28                               | 0.000023               | 100.002361               |
| 3534                  | 28                               | 0.000023               | 100.002383               |
| 3599                  | 26                               | 0.000021               | 100.002404               |
| 3429                  | - 48                             | - 0.000039             | 100.002365               |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.



**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

| SIC code <sup>a</sup> | Value of transactions<br>(\$000) | Percentage<br>of total | Cumulative<br>percentage |
|-----------------------|----------------------------------|------------------------|--------------------------|
| 3523                  | - 2,906                          | - 0.002365             | 100.000000               |

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

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APPENDIX C

**1991 Defense Prime Contract  
Awards by State**

**TABLE C-1**

*1991 Defense Prime Contract Awards by State  
(Sorted by state)*

| State                | Transaction Count |            | Transaction value (\$000) |            |
|----------------------|-------------------|------------|---------------------------|------------|
|                      | By state          | Cumulative | By state                  | Cumulative |
| Alabama              | 5,213             | 5,213      | 1,816,120                 | 1,816,120  |
| Alaska               | 1,606             | 6,819      | 556,266                   | 2,372,386  |
| Arizona              | 3,768             | 10,587     | 2,509,398                 | 4,881,784  |
| Arkansas             | 1,699             | 12,286     | 312,813                   | 5,194,597  |
| California           | 39,224            | 51,510     | 23,870,975                | 29,065,572 |
| Colorado             | 3,770             | 55,280     | 2,650,580                 | 31,716,152 |
| Connecticut          | 6,636             | 61,916     | 4,944,622                 | 36,660,774 |
| Delaware             | 435               | 62,351     | 132,460                   | 36,793,234 |
| District of Columbia | 5,009             | 67,360     | 1,110,480                 | 37,903,714 |
| Florida              | 11,191            | 78,551     | 5,136,327                 | 43,040,041 |
| Georgia              | 5,885             | 84,436     | 1,969,082                 | 45,009,123 |
| Hawaii               | 2,891             | 87,327     | 703,308                   | 45,712,431 |
| Idaho                | 430               | 87,757     | 78,518                    | 45,790,949 |
| Illinois             | 5,870             | 93,627     | 1,762,770                 | 47,553,719 |
| Indiana              | 4,199             | 97,826     | 2,149,517                 | 49,703,236 |
| Iowa                 | 1,077             | 98,903     | 458,155                   | 50,161,391 |
| Kansas               | 2,093             | 100,996    | 850,770                   | 51,012,161 |
| Kentucky             | 2,496             | 103,492    | 577,046                   | 51,589,207 |
| Louisiana            | 2,031             | 105,523    | 1,236,011                 | 52,825,218 |
| Maine                | 1,255             | 106,778    | 1,051,290                 | 53,876,508 |
| Maryland             | 11,569            | 118,347    | 4,048,823                 | 57,925,331 |
| Massachusetts        | 8,259             | 126,606    | 6,901,759                 | 64,827,090 |
| Michigan             | 3,981             | 130,587    | 1,327,243                 | 66,154,333 |
| Minnesota            | 2,832             | 133,419    | 1,771,165                 | 67,925,498 |
| Mississippi          | 2,623             | 136,042    | 1,777,454                 | 69,702,952 |
| Missouri             | 3,906             | 139,948    | 6,303,727                 | 76,006,679 |
| Montana              | 354               | 140,302    | 82,730                    | 76,089,409 |
| Nebraska             | 1,184             | 141,486    | 253,381                   | 76,342,790 |
| Nevada               | 744               | 142,230    | 254,313                   | 76,597,103 |
| New Hampshire        | 1,185             | 143,415    | 442,060                   | 77,039,163 |
| New Jersey           | 8,653             | 152,068    | 3,564,300                 | 80,603,463 |
| New Mexico           | 2,102             | 154,170    | 678,359                   | 81,281,822 |
| New York             | 10,173            | 164,343    | 6,908,417                 | 88,190,239 |
| North Carolina       | 5,134             | 169,477    | 1,535,461                 | 89,725,700 |
| North Dakota         | 592               | 170,069    | 149,161                   | 89,874,861 |
| Ohio                 | 7,920             | 177,989    | 4,759,466                 | 94,634,327 |
| Oklahoma             | 2,286             | 180,275    | 772,381                   | 95,406,708 |

**TABLE C-1**

*1991 Defense Prime Contract Awards by State (Continued)*  
(Sorted by state)

| State          | Transaction Count |            | Transaction value (\$000) |             |
|----------------|-------------------|------------|---------------------------|-------------|
|                | By state          | Cumulative | By state                  | Cumulative  |
| Oregon         | 871               | 181,146    | 313,949                   | 95,720,657  |
| Pennsylvania   | 7,929             | 189,075    | 2,928,571                 | 98,649,228  |
| Rhode Island   | 1,728             | 190,803    | 405,869                   | 99,055,097  |
| South Carolina | 4,745             | 195,548    | 960,598                   | 100,015,695 |
| South Dakota   | 411               | 195,959    | 124,714                   | 100,140,409 |
| Tennessee      | 3,421             | 199,380    | 2,022,672                 | 102,163,081 |
| Texas          | 14,575            | 213,955    | 10,172,682                | 112,335,763 |
| Utah           | 2,001             | 215,956    | 809,317                   | 113,145,080 |
| Vermont        | 322               | 216,278    | 73,028                    | 113,218,108 |
| Virginia       | 25,685            | 241,963    | 6,710,828                 | 119,928,936 |
| Washington     | 5,494             | 247,457    | 1,756,968                 | 121,685,904 |
| West Virginia  | 290               | 247,747    | 146,297                   | 121,832,201 |
| Wisconsin      | 2,161             | 249,908    | 959,071                   | 122,791,272 |
| Wyoming        | 304               | 250,212    | 63,765                    | 122,855,037 |
| Total          |                   | 250,212    |                           | 122,855,037 |

**TABLE C-2***1991 Defense Prime Contract Awards by State**(Sorted by number of transactions)*

| State                | Transaction count |            | Transaction value (\$000) |             |
|----------------------|-------------------|------------|---------------------------|-------------|
|                      | By state          | Cumulative | By state                  | Cumulative  |
| California           | 39,224            | 39,224     | 23,870,975                | 23,870,975  |
| Virginia             | 25,685            | 64,909     | 6,710,828                 | 30,581,803  |
| Texas                | 14,575            | 79,484     | 10,172,682                | 40,754,485  |
| Maryland             | 11,569            | 91,053     | 4,048,823                 | 44,803,308  |
| Florida              | 11,191            | 102,244    | 5,136,327                 | 49,939,635  |
| New York             | 10,173            | 112,417    | 6,908,417                 | 56,848,052  |
| New Jersey           | 8,653             | 121,070    | 3,564,300                 | 60,412,352  |
| Massachusetts        | 8,259             | 129,329    | 6,901,759                 | 67,314,111  |
| Pennsylvania         | 7,929             | 137,258    | 2,928,571                 | 70,242,682  |
| Ohio                 | 7,920             | 145,178    | 4,759,466                 | 75,002,148  |
| Connecticut          | 6,636             | 151,814    | 4,944,622                 | 79,946,770  |
| Georgia              | 5,885             | 157,699    | 1,969,082                 | 81,915,852  |
| Illinois             | 5,870             | 163,569    | 1,762,770                 | 83,678,622  |
| Washington           | 5,494             | 169,063    | 1,756,968                 | 85,435,590  |
| Alabama              | 5,213             | 174,276    | 1,816,120                 | 87,251,710  |
| North Carolina       | 5,134             | 179,410    | 1,535,461                 | 88,787,171  |
| District of Columbia | 5,009             | 184,419    | 1,110,480                 | 89,897,651  |
| South Carolina       | 4,745             | 189,164    | 960,598                   | 90,858,249  |
| Indiana              | 4,199             | 193,363    | 2,149,517                 | 93,007,766  |
| Michigan             | 3,981             | 197,344    | 1,327,243                 | 94,335,009  |
| Missouri             | 3,906             | 201,250    | 6,303,727                 | 100,638,736 |
| Colorado             | 3,770             | 205,020    | 2,650,580                 | 103,289,316 |
| Arizona              | 3,768             | 208,788    | 2,509,398                 | 105,798,714 |
| Tennessee            | 3,421             | 212,209    | 2,022,672                 | 107,821,386 |
| Hawaii               | 2,891             | 215,100    | 703,308                   | 108,524,694 |
| Minnesota            | 2,832             | 217,932    | 1,771,165                 | 110,295,859 |
| Mississippi          | 2,623             | 220,555    | 1,777,454                 | 112,073,313 |
| Kentucky             | 2,496             | 223,051    | 577,046                   | 112,650,359 |
| Oklahoma             | 2,286             | 225,337    | 772,381                   | 113,422,740 |
| Wisconsin            | 2,161             | 227,498    | 959,071                   | 114,381,811 |
| New Mexico           | 2,102             | 229,600    | 678,359                   | 115,060,170 |
| Kansas               | 2,093             | 231,693    | 850,770                   | 115,910,940 |
| Louisiana            | 2,031             | 233,724    | 1,236,011                 | 117,146,951 |
| Utah                 | 2,001             | 235,725    | 809,317                   | 117,956,268 |
| Rhode Island         | 1,728             | 237,453    | 405,869                   | 118,362,137 |
| Arkansas             | 1,699             | 239,152    | 312,813                   | 118,674,950 |
| Alaska               | 1,606             | 240,758    | 556,266                   | 119,231,216 |
| Maine                | 1,255             | 242,013    | 1,051,290                 | 120,282,506 |
| New Hampshire        | 1,185             | 243,198    | 442,060                   | 120,724,566 |
| Nebraska             | 1,184             | 244,382    | 253,381                   | 120,977,947 |
| Iowa                 | 1,077             | 245,459    | 458,155                   | 121,436,102 |

**TABLE C-2**

*1991 Defense Prime Contract Awards by State (Continued)*  
*(Sorted by number of transactions)*

| State         | Transaction count |            | Transaction value (\$000) |             |
|---------------|-------------------|------------|---------------------------|-------------|
|               | By state          | Cumulative | By state                  | Cumulative  |
| Oregon        | 871               | 246,330    | 313,949                   | 121,750,051 |
| Nevada        | 744               | 247,074    | 254,313                   | 122,004,364 |
| North Dakota  | 592               | 247,666    | 149,161                   | 122,153,525 |
| Delaware      | 435               | 248,101    | 132,460                   | 122,285,985 |
| Idaho         | 430               | 248,531    | 78,518                    | 122,364,503 |
| South Dakota  | 411               | 248,942    | 124,714                   | 122,489,217 |
| Montana       | 354               | 249,296    | 82,730                    | 122,571,947 |
| Vermont       | 322               | 249,618    | 73,028                    | 122,644,975 |
| Wyoming       | 304               | 249,922    | 63,765                    | 122,708,740 |
| West Virginia | 290               | 250,212    | 146,297                   | 122,855,037 |
| Total         |                   | 250,212    |                           | 122,855,037 |

**TABLE C-3**

*1991 Defense Prime Contract Awards by State  
(Sorted by transaction value)*

| State                | Transaction count |            | Transaction value (\$000) |             |
|----------------------|-------------------|------------|---------------------------|-------------|
|                      | By state          | Cumulative | By state                  | Cumulative  |
| California           | 39,224            | 39,224     | 23,870,975                | 23,870,975  |
| Texas                | 14,575            | 53,799     | 10,172,682                | 34,043,657  |
| New York             | 10,173            | 63,972     | 6,908,417                 | 40,952,074  |
| Massachusetts        | 8,259             | 72,231     | 6,901,759                 | 47,853,833  |
| Virginia             | 25,685            | 97,916     | 6,710,828                 | 54,564,661  |
| Missouri             | 3,906             | 101,822    | 6,303,727                 | 60,868,388  |
| Florida              | 11,191            | 113,013    | 5,136,327                 | 66,004,715  |
| Connecticut          | 6,636             | 119,649    | 4,944,622                 | 70,949,337  |
| Ohio                 | 7,920             | 127,569    | 4,759,466                 | 75,708,803  |
| Maryland             | 11,569            | 139,138    | 4,048,823                 | 79,757,626  |
| New Jersey           | 8,653             | 147,791    | 3,564,300                 | 83,321,926  |
| Pennsylvania         | 7,929             | 155,720    | 2,928,571                 | 86,250,497  |
| Colorado             | 3,770             | 159,490    | 2,650,580                 | 88,901,077  |
| Arizona              | 3,768             | 163,258    | 2,509,398                 | 91,410,475  |
| Indiana              | 4,199             | 167,457    | 2,149,517                 | 93,559,992  |
| Tennessee            | 3,421             | 170,878    | 2,022,672                 | 95,582,664  |
| Georgia              | 5,885             | 176,763    | 1,969,082                 | 97,551,746  |
| Alabama              | 5,213             | 181,976    | 1,816,120                 | 99,367,866  |
| Mississippi          | 2,623             | 184,599    | 1,777,454                 | 101,145,320 |
| Minnesota            | 2,832             | 187,431    | 1,771,165                 | 102,916,485 |
| Illinois             | 5,870             | 193,301    | 1,762,770                 | 104,679,255 |
| Washington           | 5,494             | 198,795    | 1,756,968                 | 106,436,223 |
| North Carolina       | 5,134             | 203,929    | 1,535,461                 | 107,971,684 |
| Michigan             | 3,981             | 207,910    | 1,327,243                 | 109,298,927 |
| Louisiana            | 2,031             | 209,941    | 1,236,011                 | 110,534,938 |
| District of Columbia | 5,009             | 214,950    | 1,110,480                 | 111,645,418 |
| Maine                | 1,255             | 216,205    | 1,051,290                 | 112,696,708 |
| South Carolina       | 4,745             | 220,950    | 960,598                   | 113,657,306 |
| Wisconsin            | 2,161             | 223,111    | 959,071                   | 114,616,377 |
| Kansas               | 2,093             | 225,204    | 850,770                   | 115,467,147 |
| Utah                 | 2,001             | 227,205    | 809,317                   | 116,276,464 |
| Oklahoma             | 2,286             | 229,491    | 772,381                   | 117,048,845 |
| Hawaii               | 2,891             | 232,382    | 703,308                   | 117,752,153 |
| New Mexico           | 2,102             | 234,484    | 678,359                   | 118,430,512 |
| Kentucky             | 2,496             | 236,980    | 577,046                   | 119,007,558 |
| Alaska               | 1,606             | 238,586    | 556,266                   | 119,563,824 |
| Iowa                 | 1,077             | 239,663    | 458,155                   | 120,021,979 |
| New Hampshire        | 1,185             | 240,848    | 442,060                   | 120,464,039 |
| Rhode Island         | 1,728             | 242,576    | 405,869                   | 120,869,908 |

**TABLE C-3**

*1991 Defense Prime Contract Awards by State (Continued)*  
*(Sorted by transaction value)*

| State         | Transaction count |            | Transaction value (\$000) |             |
|---------------|-------------------|------------|---------------------------|-------------|
|               | By state          | Cumulative | By state                  | Cumulative  |
| Oregon        | 871               | 243,447    | 313,949                   | 121,183,857 |
| Arkansas      | 1,699             | 245,146    | 312,813                   | 121,496,670 |
| Nevada        | 744               | 245,890    | 254,313                   | 121,750,983 |
| Nebraska      | 1,184             | 247,074    | 253,381                   | 122,004,364 |
| North Dakota  | 592               | 247,666    | 149,161                   | 122,153,525 |
| West Virginia | 290               | 247,956    | 146,297                   | 122,299,822 |
| Delaware      | 435               | 248,391    | 132,460                   | 122,432,282 |
| South Dakota  | 411               | 248,802    | 124,714                   | 122,556,996 |
| Montana       | 354               | 249,156    | 82,730                    | 122,639,726 |
| Idaho         | 430               | 249,586    | 78,518                    | 122,718,244 |
| Vermont       | 322               | 249,908    | 73,028                    | 122,791,272 |
| Wyoming       | 304               | 250,212    | 63,765                    | 122,855,037 |
| Total         |                   | 250,212    |                           | 122,855,037 |



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APPENDIX D

**1991 Defense Prime Contract  
Awards by County**

**TABLE D-1**

*1991 Defense Prime Contract Awards by County  
(Sorted by value of transaction)*

| State                | County               | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------------|----------------------|------------------------------|-----------------------------|--------------------------|
| CALIFORNIA           | LOS ANGELES          | 10,038,540                   | 10,038,540                  | 8.171045                 |
| MISSOURI             | ST. LOUIS (CITY)     | 5,431,407                    | 15,469,947                  | 12.592033                |
| TEXAS                | TARRANT              | 3,777,061                    | 19,247,008                  | 15.666438                |
| CALIFORNIA           | SANTA CLARA          | 3,552,079                    | 22,799,087                  | 18.557714                |
| MASSACHUSETTS        | MIDDLESEX            | 3,258,205                    | 26,057,292                  | 21.209787                |
| NEW YORK             | NASSAU               | 3,115,359                    | 29,172,651                  | 23.745588                |
| CALIFORNIA           | ORANGE               | 2,666,975                    | 31,839,626                  | 25.916419                |
| MASSACHUSETTS        | ESSEX                | 2,519,771                    | 34,359,397                  | 27.967430                |
| CALIFORNIA           | SAN DIEGO            | 2,443,087                    | 36,802,484                  | 29.956024                |
| TEXAS                | COLLIN               | 2,258,676                    | 39,061,160                  | 31.794512                |
| CONNECTICUT          | NEW LONDON           | 2,258,606                    | 41,319,766                  | 33.632944                |
| VIRGINIA             | FAIRFAX              | 2,181,000                    | 43,500,766                  | 35.408207                |
| COLORADO             | DENVER               | 1,754,999                    | 45,255,765                  | 36.836719                |
| CONNECTICUT          | FAIRFIELD            | 1,517,378                    | 46,773,143                  | 38.071815                |
| OHIO                 | HAMILTON             | 1,300,917                    | 48,074,060                  | 39.130720                |
| FLORIDA              | ORANGE               | 1,123,570                    | 49,197,630                  | 40.045269                |
| DISTRICT OF COLUMBIA | DISTRICT OF COLUMBIA | 1,110,480                    | 50,308,110                  | 40.949164                |
| ARIZONA              | PIMA                 | 1,107,263                    | 51,415,373                  | 41.850440                |
| ARIZONA              | MARICOPA             | 1,070,293                    | 52,485,666                  | 42.721623                |
| CONNECTICUT          | HARTFORD             | 1,011,404                    | 53,497,070                  | 43.544873                |
| MINNESOTA            | HENNEPIN             | 1,004,571                    | 54,501,641                  | 44.362561                |
| MISSISSIPPI          | JACKSON              | 1,003,139                    | 55,504,780                  | 45.179084                |
| OHIO                 | ALLEN                | 978,708                      | 56,483,488                  | 45.975720                |
| MARYLAND             | MONTGOMERY           | 969,643                      | 57,453,131                  | 46.764978                |
| MARYLAND             | BALTIMORE (CITY)     | 963,928                      | 58,417,059                  | 47.549584                |
| TENNESSEE            | SHELBY               | 955,958                      | 59,373,017                  | 48.327703                |
| NEW YORK             | ONONDAGA             | 954,199                      | 60,327,216                  | 49.104390                |
| ILLINOIS             | COOK                 | 946,086                      | 61,273,302                  | 49.874473                |
| FLORIDA              | PALM BEACH           | 862,581                      | 62,135,883                  | 50.576586                |
| MAINE                | SAGadahoc            | 852,814                      | 62,988,697                  | 51.270748                |
| CALIFORNIA           | SACRAMENTO           | 843,371                      | 63,832,068                  | 51.957225                |
| NEW JERSEY           | BURLINGTON           | 839,586                      | 64,671,654                  | 52.640621                |
| CALIFORNIA           | SANTA BARBARA        | 834,485                      | 65,506,139                  | 53.319864                |
| MARYLAND             | PRINCE GEORGE'S      | 825,800                      | 66,331,939                  | 53.992039                |
| ALABAMA              | MADISON              | 818,713                      | 67,150,652                  | 54.658444                |
| NEW YORK             | SUFFOLK              | 815,185                      | 67,965,837                  | 55.321978                |
| CALIFORNIA           | SAN BERNARDINO       | 791,473                      | 68,757,310                  | 55.966212                |
| INDIANA              | MARION               | 790,071                      | 69,547,381                  | 56.609304                |
| PENNSYLVANIA         | PHILADELPHIA         | 766,821                      | 70,314,202                  | 57.233471                |
| FLORIDA              | BREVARD              | 677,836                      | 70,992,038                  | 57.785207                |
| WASHINGTON           | KING                 | 676,860                      | 71,668,898                  | 58.336149                |
| OHIO                 | GREENE               | 659,919                      | 72,328,817                  | 58.873302                |
| VIRGINIA             | ARLINGTON            | 659,604                      | 72,988,421                  | 59.410198                |
| HAWAII               | HONOLULU             | 642,649                      | 73,631,070                  | 59.933294                |
| TEXAS                | BEXAR                | 625,503                      | 74,256,573                  | 60.442433                |
| VIRGINIA             | NORFOLK (CITY)       | 614,376                      | 74,870,949                  | 60.942515                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
 (Sorted by value of transaction)

| State          | County              | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|---------------------|------------------------------|-----------------------------|--------------------------|
| PENNSYLVANIA   | ALLEGHENY           | 582,117                      | 75,453,066                  | 61.416339                |
| GEORGIA        | COBB                | 573,093                      | 76,026,159                  | 61.882818                |
| COLORADO       | EL PASO             | 546,576                      | 76,572,735                  | 62.327713                |
| FLORIDA        | PINELLAS            | 534,081                      | 77,106,816                  | 62.762438                |
| MINNESOTA      | RAMSEY              | 518,755                      | 77,625,571                  | 63.184687                |
| KANSAS         | SEDGWICK            | 515,944                      | 78,141,515                  | 63.604649                |
| LOUISIANA      | ORLEANS             | 505,917                      | 78,647,432                  | 64.016449                |
| NEW JERSEY     | MONMOUTH            | 477,988                      | 79,125,420                  | 64.405516                |
| WISCONSIN      | WINNEBAGO           | 469,183                      | 79,594,603                  | 64.787415                |
| MICHIGAN       | MACOMB              | 462,168                      | 80,056,771                  | 65.163605                |
| VIRGINIA       | ALEXANDRIA (CITY)   | 459,684                      | 80,516,455                  | 65.537773                |
| NORTH CAROLINA | GUILFORD            | 454,607                      | 80,971,062                  | 65.907808                |
| NEW YORK       | BRONX               | 449,701                      | 81,420,763                  | 66.273850                |
| WASHINGTON     | WHATCOM             | 442,457                      | 81,863,220                  | 66.633996                |
| INDIANA        | ST. JOSEPH          | 440,858                      | 82,304,078                  | 66.992840                |
| NEW JERSEY     | MORRIS              | 423,907                      | 82,727,985                  | 67.337886                |
| OHIO           | UNION               | 419,652                      | 83,147,637                  | 67.679469                |
| OHIO           | CUYAHOGA            | 419,000                      | 83,566,637                  | 68.020522                |
| NEW JERSEY     | PASSAIC             | 394,373                      | 83,961,010                  | 68.341528                |
| INDIANA        | ALLEN               | 390,865                      | 84,351,875                  | 68.659680                |
| CALIFORNIA     | VENTURA             | 384,651                      | 84,736,526                  | 68.972773                |
| VIRGINIA       | NEWPORT NEWS (CITY) | 377,532                      | 85,114,058                  | 69.280072                |
| CALIFORNIA     | SOLANO              | 374,753                      | 85,488,811                  | 69.585109                |
| TEXAS          | DALLAS              | 366,091                      | 85,854,902                  | 69.883095                |
| NEW HAMPSHIRE  | HILLSBOROUGH        | 364,775                      | 86,219,677                  | 70.180010                |
| CALIFORNIA     | CONTRA COSTA        | 339,828                      | 86,559,505                  | 70.456619                |
| TEXAS          | KLEBERG             | 337,848                      | 86,897,353                  | 70.731616                |
| RHODE ISLAND   | NEWPORT             | 323,012                      | 87,220,365                  | 70.994537                |
| MARYLAND       | ANNE ARUNDEL        | 322,834                      | 87,543,199                  | 71.257314                |
| FLORIDA        | OKALOOSA            | 322,534                      | 87,865,733                  | 71.519846                |
| TEXAS          | FORT BEND           | 319,763                      | 88,185,496                  | 71.780122                |
| MISSISSIPPI    | HARRISON            | 313,545                      | 88,499,041                  | 72.035338                |
| MASSACHUSETTS  | BERKSHIRE           | 308,647                      | 88,807,688                  | 72.286566                |
| OHIO           | SUMMIT              | 303,700                      | 89,111,388                  | 72.533768                |
| CALIFORNIA     | KERN                | 302,386                      | 89,413,774                  | 72.779901                |
| VIRGINIA       | MANASSAS (CITY)     | 294,290                      | 89,708,064                  | 73.019443                |
| NEW JERSEY     | BERGEN              | 290,500                      | 89,998,564                  | 73.255901                |
| PENNSYLVANIA   | MONTGOMERY          | 288,116                      | 90,286,680                  | 73.490418                |
| TENNESSEE      | SULLIVAN            | 287,307                      | 90,573,987                  | 73.724276                |
| NEW MEXICO     | BERNALILLO          | 278,198                      | 90,852,185                  | 73.950720                |
| GEORGIA        | GWINNETT            | 276,575                      | 91,128,760                  | 74.175844                |
| FLORIDA        | DUVAL               | 272,911                      | 91,401,671                  | 74.397984                |
| MARYLAND       | ST. MARYS           | 272,391                      | 91,674,062                  | 74.619702                |
| NEW JERSEY     | MERCER              | 270,456                      | 91,944,518                  | 74.839844                |
| CALIFORNIA     | ALAMEDA             | 269,151                      | 92,213,669                  | 75.058924                |
| MISSOURI       | JACKSON             | 267,275                      | 92,480,944                  | 75.276477                |

**TABLE D-1***1991 Defense Prime Contract Awards by County (Continued)**(Sorted by value of transaction)*

| State          | County                | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-----------------------|------------------------------|-----------------------------|--------------------------|
| SOUTH CAROLINA | CHARLESTON            | 262,701                      | 92,743,645                  | 75.490307                |
| TENNESSEE      | COFFEE                | 257,822                      | 93,001,467                  | 75.700166                |
| PENNSYLVANIA   | YORK                  | 255,897                      | 93,257,364                  | 75.908458                |
| VIRGINIA       | VIRGINIA BEACH (CITY) | 255,283                      | 93,512,647                  | 76.116250                |
| ARIZONA        | COCHISE               | 249,271                      | 93,761,918                  | 76.319148                |
| NEW YORK       | SCHENECTADY           | 245,520                      | 94,007,438                  | 76.518994                |
| ALASKA         | ANCHORAGE             | 243,242                      | 94,250,680                  | 76.716985                |
| OKLAHOMA       | OKLAHOMA              | 242,818                      | 94,493,498                  | 76.914631                |
| FLORIDA        | DADE                  | 241,456                      | 94,734,954                  | 77.111168                |
| MARYLAND       | BALTIMORE             | 239,831                      | 94,974,785                  | 77.306383                |
| TEXAS          | HUNT                  | 236,521                      | 95,211,306                  | 77.498903                |
| TEXAS          | EL PASO               | 235,943                      | 95,447,249                  | 77.690953                |
| NEW YORK       | WESTCHESTER           | 235,149                      | 95,682,398                  | 77.882357                |
| UTAH           | SALT LAKE             | 233,166                      | 95,915,564                  | 78.072146                |
| NORTH CAROLINA | CUMBERLAND            | 232,167                      | 96,147,731                  | 78.261122                |
| WASHINGTON     | KITSAP                | 228,320                      | 96,376,051                  | 78.446968                |
| VIRGINIA       | FAIRFAX (CITY)        | 225,851                      | 96,601,902                  | 78.630803                |
| FLORIDA        | HILLSBOROUGH          | 225,699                      | 96,827,601                  | 78.814515                |
| FLORIDA        | ESCAMBIA              | 215,857                      | 97,043,458                  | 78.990215                |
| TEXAS          | HARRIS                | 206,598                      | 97,250,056                  | 79.158379                |
| IOWA           | LINN                  | 204,668                      | 97,454,724                  | 79.324972                |
| GEORGIA        | DE KALB               | 203,878                      | 97,658,602                  | 79.490922                |
| TEXAS          | MCLENNAN              | 202,432                      | 97,861,034                  | 79.655695                |
| SOUTH CAROLINA | MARION                | 202,360                      | 98,063,394                  | 79.820410                |
| NEW JERSEY     | ESSEX                 | 201,995                      | 98,265,389                  | 79.984827                |
| OHIO           | FAIRFIELD             | 200,084                      | 98,465,473                  | 80.147689                |
| MASSACHUSETTS  | WORCESTER             | 195,534                      | 98,661,007                  | 80.306847                |
| TEXAS          | BURNET                | 194,013                      | 98,855,020                  | 80.464768                |
| MASSACHUSETTS  | NORFOLK               | 193,923                      | 99,048,943                  | 80.622615                |
| MICHIGAN       | OAKLAND               | 184,159                      | 99,233,102                  | 80.772514                |
| ALABAMA        | COFFEE                | 183,765                      | 99,416,867                  | 80.922093                |
| VIRGINIA       | MONTGOMERY            | 179,264                      | 99,596,131                  | 81.068008                |
| TEXAS          | BELL                  | 176,370                      | 99,772,501                  | 81.211567                |
| CALIFORNIA     | SAN FRANCISCO         | 174,997                      | 99,947,498                  | 81.354009                |
| NEW MEXICO     | DONA ANA              | 173,940                      | 100,121,438                 | 81.495591                |
| MARYLAND       | HARFORD               | 172,283                      | 100,293,721                 | 81.635823                |
| ALABAMA        | CALHOUN               | 168,449                      | 100,462,170                 | 81.772935                |
| WASHINGTON     | PIERCE                | 167,812                      | 100,629,982                 | 81.909529                |
| TEXAS          | GALVESTON             | 166,910                      | 100,796,892                 | 82.045388                |
| GEORGIA        | CHATHAM               | 166,042                      | 100,962,934                 | 82.180541                |
| NEBRASKA       | SARPY                 | 165,339                      | 101,128,273                 | 82.315122                |
| INDIANA        | BARTHOLOMEW           | 164,796                      | 101,293,069                 | 82.449260                |
| VIRGINIA       | FALLS CHURCH (CITY)   | 164,389                      | 101,457,458                 | 82.583067                |
| COLORADO       | BOULDER               | 163,851                      | 101,621,309                 | 82.716437                |
| LOUISIANA      | BOSSIER               | 160,104                      | 101,781,413                 | 82.846756                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
 (Sorted by value of transaction)

| State          | County                  | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-------------------------|------------------------------|-----------------------------|--------------------------|
| VIRGINIA       | RICHMOND (CITY)         | 159,312                      | 101,940,725                 | 82.976431                |
| MASSACHUSETTS  | BRISTOL                 | 158,734                      | 102,099,459                 | 83.105635                |
| FLORIDA        | VOLUSIA                 | 153,749                      | 102,253,208                 | 83.230782                |
| VIRGINIA       | PORTSMOUTH (CITY)       | 153,568                      | 102,406,776                 | 83.355781                |
| NEVADA         | CLARK                   | 151,734                      | 102,558,510                 | 83.479288                |
| MASSACHUSETTS  | SUFFOLK                 | 149,890                      | 102,708,400                 | 83.601293                |
| ALABAMA        | MOBILE                  | 149,396                      | 102,857,796                 | 83.722897                |
| UTAH           | TOOELE                  | 148,498                      | 103,006,294                 | 83.843769                |
| PENNSYLVANIA   | DELAWARE                | 146,709                      | 103,153,003                 | 83.963186                |
| NEW YORK       | TIOGA                   | 144,550                      | 103,297,553                 | 84.080845                |
| NEW YORK       | ERIE                    | 143,080                      | 103,440,633                 | 84.197307                |
| UTAH           | BOX ELDER               | 142,010                      | 103,582,643                 | 84.312899                |
| NEW YORK       | ONEIDA                  | 139,098                      | 103,721,741                 | 84.426120                |
| NEW JERSEY     | GLOUCESTER              | 137,457                      | 103,859,198                 | 84.538006                |
| SOUTH CAROLINA | RICHLAND                | 132,928                      | 103,992,126                 | 84.646205                |
| CALIFORNIA     | SAN MATEO               | 131,962                      | 104,124,088                 | 84.753617                |
| VIRGINIA       | KING GEORGE             | 130,459                      | 104,254,547                 | 84.859807                |
| TEXAS          | BOWIE                   | 129,729                      | 104,384,276                 | 84.965402                |
| VIRGINIA       | ROANOKE (CITY)          | 127,965                      | 104,512,241                 | 85.069561                |
| ALASKA         | FAIRBANKS NORTH<br>STAR | 121,965                      | 104,634,206                 | 85.168837                |
| CALIFORNIA     | SANTA CRUZ              | 121,586                      | 104,755,792                 | 85.267804                |
| ALABAMA        | MONTGOMERY              | 121,307                      | 104,877,099                 | 85.366544                |
| TEXAS          | JONES                   | 121,214                      | 104,998,313                 | 85.465208                |
| KENTUCKY       | BOURBON                 | 119,418                      | 105,117,731                 | 85.562410                |
| NEW JERSEY     | HUDSON                  | 118,585                      | 105,236,316                 | 85.658935                |
| NEW JERSEY     | CAMDEN                  | 117,435                      | 105,353,751                 | 85.754523                |
| UTAH           | DAVIS                   | 116,350                      | 105,470,101                 | 85.849228                |
| MISSOURI       | ST. CHARLES             | 115,248                      | 105,585,349                 | 85.943036                |
| GEORGIA        | CAMDEN                  | 114,948                      | 105,700,297                 | 86.036600                |
| ILLINOIS       | MADISON                 | 112,062                      | 105,812,359                 | 86.127815                |
| GEORGIA        | HOUSTON                 | 111,724                      | 105,924,083                 | 86.218755                |
| KENTUCKY       | BULLITT                 | 111,558                      | 106,035,641                 | 86.309559                |
| NORTH CAROLINA | ONSLOW                  | 110,606                      | 106,146,247                 | 86.399589                |
| CONNECTICUT    | NEW HAVEN               | 110,082                      | 106,256,329                 | 86.489192                |
| MISSOURI       | ST. LOUIS               | 108,917                      | 106,365,246                 | 86.577847                |
| WISCONSIN      | MILWAUKEE               | 108,266                      | 106,473,512                 | 86.665972                |
| MISSOURI       | JOHNSON                 | 107,613                      | 106,581,125                 | 86.753566                |
| KENTUCKY       | CHRISTIAN               | 107,496                      | 106,688,621                 | 86.841064                |
| MAINE          | YORK                    | 103,364                      | 106,791,985                 | 86.925199                |
| VIRGINIA       | HAMPTON (CITY)          | 102,813                      | 106,894,798                 | 87.008885                |
| LOUISIANA      | EAST BATON ROUGE        | 100,764                      | 106,995,562                 | 87.090904                |
| NEW MEXICO     | OTERO                   | 99,992                       | 107,095,554                 | 87.172294                |
| FLORIDA        | BAY                     | 99,002                       | 107,194,556                 | 87.252878                |
| TENNESSEE      | CARROLL                 | 97,265                       | 107,291,821                 | 87.332049                |
| TENNESSEE      | CAMPBELL                | 97,239                       | 107,389,060                 | 87.411198                |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County           | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|------------------|------------------------------|-----------------------------|--------------------------|
| NORTH CAROLINA | WAKE             | 95,879                       | 107,484,939                 | 87.489241                |
| VIRGINIA       | PRINCE WILLIAM   | 94,954                       | 107,579,893                 | 87.566530                |
| MISSISSIPPI    | MADISON          | 94,586                       | 107,674,479                 | 87.643520                |
| ILLINOIS       | LAKE             | 93,837                       | 107,768,316                 | 87.719900                |
| GEORGIA        | COLUMBIA         | 93,459                       | 107,861,775                 | 87.795973                |
| PENNSYLVANIA   | BUCKS            | 92,408                       | 107,954,183                 | 87.871190                |
| ILLINOIS       | ST. CLAIR        | 92,257                       | 108,046,440                 | 87.946284                |
| CALIFORNIA     | RIVERSIDE        | 92,211                       | 108,138,651                 | 88.021341                |
| FLORIDA        | BROWARD          | 91,466                       | 108,230,117                 | 88.095791                |
| CALIFORNIA     | MONTEREY         | 91,217                       | 108,321,334                 | 88.170039                |
| MISSOURI       | CLAY             | 91,014                       | 108,412,348                 | 88.244121                |
| OKLAHOMA       | OSAGE            | 90,254                       | 108,502,602                 | 88.317585                |
| GEORGIA        | CHATTAHOOCHEE    | 90,203                       | 108,592,805                 | 88.391008                |
| NEW YORK       | BROOME           | 89,604                       | 108,682,409                 | 88.463942                |
| LOUISIANA      | CALCASIEU        | 88,086                       | 108,770,495                 | 88.535641                |
| MARYLAND       | HOWARD           | 86,652                       | 108,857,147                 | 88.606173                |
| UTAH           | WEBER            | 86,288                       | 108,943,435                 | 88.676409                |
| TEXAS          | BRAZORIA         | 85,963                       | 109,029,398                 | 88.746380                |
| NEW JERSEY     | UNION            | 85,550                       | 109,114,948                 | 88.816015                |
| TENNESSEE      | HAWKINS          | 85,014                       | 109,199,962                 | 88.885214                |
| TEXAS          | JEFFERSON        | 84,468                       | 109,284,430                 | 88.953968                |
| ALABAMA        | DALLAS           | 83,387                       | 109,367,817                 | 89.021842                |
| MISSISSIPPI    | WARREN           | 82,724                       | 109,450,541                 | 89.089177                |
| OKLAHOMA       | COMANCHE         | 82,715                       | 109,533,256                 | 89.156504                |
| ILLINOIS       | WILLIAMSON       | 81,806                       | 109,615,062                 | 89.223091                |
| DELAWARE       | KENT             | 81,185                       | 109,696,247                 | 89.289173                |
| IOWA           | POLK             | 81,034                       | 109,777,281                 | 89.355132                |
| MICHIGAN       | WASHTENAW        | 80,935                       | 109,858,216                 | 89.421011                |
| ALABAMA        | JEFFERSON        | 80,142                       | 109,938,358                 | 89.486244                |
| MICHIGAN       | WAYNE            | 79,707                       | 110,018,065                 | 89.551123                |
| NORTH CAROLINA | FORSYTH          | 79,521                       | 110,097,586                 | 89.615850                |
| PENNSYLVANIA   | CHESTER          | 79,469                       | 110,177,055                 | 89.680535                |
| OKLAHOMA       | CUSTER           | 79,288                       | 110,256,343                 | 89.745073                |
| OKLAHOMA       | CANADIAN         | 79,276                       | 110,335,619                 | 89.809601                |
| VIRGINIA       | PRINCE GEORGE    | 79,106                       | 110,414,725                 | 89.873991                |
| SOUTH CAROLINA | BERKELEY         | 78,485                       | 110,493,210                 | 89.937875                |
| WASHINGTON     | SPOKANE          | 78,370                       | 110,571,580                 | 90.001666                |
| MICHIGAN       | WEXFORD          | 78,320                       | 110,649,900                 | 90.065416                |
| OHIO           | STARK            | 77,751                       | 110,727,651                 | 90.128703                |
| CALIFORNIA     | INYO             | 76,206                       | 110,803,857                 | 90.190732                |
| ALASKA         | ALEUTIAN ISLANDS | 76,033                       | 110,879,890                 | 90.252620                |
| ILLINOIS       | ROCK ISLAND      | 75,513                       | 110,955,403                 | 90.314085                |
| PENNSYLVANIA   | CENTRE           | 74,655                       | 111,030,058                 | 90.374852                |
| TEXAS          | DENTON           | 74,451                       | 111,104,509                 | 90.435453                |
| TEXAS          | HIDALGO          | 73,807                       | 111,178,316                 | 90.495529                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
(Sorted by value of transaction)

| State          | County        | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|---------------|------------------------------|-----------------------------|--------------------------|
| OREGON         | BENTON        | 73,748                       | 111,252,064                 | 90.555558                |
| TEXAS          | WICHITA       | 71,071                       | 111,323,135                 | 90.613407                |
| NEW YORK       | MONROE        | 70,900                       | 111,394,035                 | 90.671118                |
| OREGON         | CLACKAMAS     | 70,847                       | 111,464,882                 | 90.728785                |
| ARKANSAS       | PULASKI       | 69,019                       | 111,533,901                 | 90.784964                |
| MICHIGAN       | KENT          | 68,627                       | 111,602,528                 | 90.840824                |
| INDIANA        | CLARK         | 68,122                       | 111,670,650                 | 90.896273                |
| COLORADO       | ADAMS         | 68,004                       | 111,738,654                 | 90.951626                |
| NEW JERSEY     | MIDDLESEX     | 67,602                       | 111,806,256                 | 91.006652                |
| MISSOURI       | PULASKI       | 66,884                       | 111,873,140                 | 91.061093                |
| MICHIGAN       | MUSKEGON      | 66,854                       | 111,939,994                 | 91.115510                |
| TEXAS          | HARRISON      | 66,499                       | 112,006,493                 | 91.169638                |
| NEW YORK       | QUEENS        | 65,598                       | 112,072,091                 | 91.223033                |
| NORTH CAROLINA | CRAVEN        | 65,229                       | 112,137,320                 | 91.276127                |
| SOUTH CAROLINA | MARLBORO      | 65,214                       | 112,202,534                 | 91.329209                |
| WASHINGTON     | SNOHOMISH     | 64,797                       | 112,267,331                 | 91.381952                |
| OREGON         | HOOD RIVER    | 63,306                       | 112,330,637                 | 91.433481                |
| RHODE ISLAND   | PROVIDENCE    | 62,095                       | 112,392,732                 | 91.484024                |
| KANSAS         | DOUGLAS       | 61,059                       | 112,453,791                 | 91.533724                |
| PENNSYLVANIA   | LANCASTER     | 60,625                       | 112,514,416                 | 91.583071                |
| LOUISIANA      | LAFOURCHE     | 60,242                       | 112,574,658                 | 91.632106                |
| OKLAHOMA       | KAY           | 60,062                       | 112,634,720                 | 91.680995                |
| PENNSYLVANIA   | CAMBRIA       | 60,055                       | 112,694,775                 | 91.729878                |
| INDIANA        | VANDERBURGH   | 59,958                       | 112,754,733                 | 91.778681                |
| ILLINOIS       | WINNEBAGO     | 59,825                       | 112,814,558                 | 91.827377                |
| MISSISSIPPI    | HINDS         | 59,276                       | 112,873,834                 | 91.875626                |
| VERMONT        | CHITTENDEN    | 58,416                       | 112,932,250                 | 91.923174                |
| KANSAS         | SEWARD        | 57,828                       | 112,990,078                 | 91.970245                |
| ALASKA         | YUKON-KOYUKUK | 57,578                       | 113,047,656                 | 92.017111                |
| WEST VIRGINIA  | MASON         | 57,143                       | 113,104,799                 | 92.063624                |
| NEW YORK       | ORANGE        | 57,068                       | 113,161,867                 | 92.110075                |
| CALIFORNIA     | SAN JOAQUIN   | 56,995                       | 113,218,862                 | 92.156467                |
| OHIO           | LICKING       | 56,526                       | 113,275,388                 | 92.202478                |
| GEORGIA        | FULTON        | 55,768                       | 113,331,156                 | 92.247871                |
| TEXAS          | NUECES        | 54,447                       | 113,385,603                 | 92.292189                |
| MONTANA        | CASCADE       | 54,283                       | 113,439,886                 | 92.336374                |
| NEW YORK       | CLINTON       | 53,754                       | 113,493,640                 | 92.380128                |
| NEW JERSEY     | SOMERSET      | 52,639                       | 113,546,279                 | 92.422974                |
| OREGON         | WASHINGTON    | 52,371                       | 113,598,650                 | 92.465602                |
| KANSAS         | GEARY         | 52,309                       | 113,650,959                 | 92.508180                |
| SOUTH CAROLINA | GREENVILLE    | 51,879                       | 113,702,838                 | 92.550408                |
| MINNESOTA      | ANOKA         | 51,865                       | 113,754,703                 | 92.592624                |
| SOUTH DAKOTA   | LINCOLN       | 51,413                       | 113,806,116                 | 92.634473                |
| MISSISSIPPI    | LOWNDES       | 51,070                       | 113,857,186                 | 92.676042                |
| NORTH CAROLINA | BUNCOMBE      | 51,024                       | 113,908,210                 | 92.717574                |
| GEORGIA        | BRYAN         | 51,002                       | 113,959,212                 | 92.759088                |

**TABLE D-1***1991 Defense Prime Contract Awards by County (Continued)**(Sorted by value of transaction)*

| State          | County           | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|------------------|------------------------------|-----------------------------|--------------------------|
| NORTH CAROLINA | BRUNSWICK        | 50,973                       | 114,010,185                 | 92.800578                |
| KANSAS         | LEAVENWORTH      | 50,455                       | 114,060,640                 | 92.841647                |
| MAINE          | CUMBERLAND       | 50,249                       | 114,110,889                 | 92.882548                |
| LOUISIANA      | ST. MARY         | 49,841                       | 114,160,730                 | 92.923117                |
| OKLAHOMA       | GARFIELD         | 48,584                       | 114,209,314                 | 92.962663                |
| KENTUCKY       | JEFFERSON        | 48,562                       | 114,257,876                 | 93.002191                |
| WISCONSIN      | RACINE           | 47,759                       | 114,305,635                 | 93.041065                |
| SOUTH CAROLINA | SUMTER           | 47,210                       | 114,352,845                 | 93.079493                |
| VIRGINIA       | LYNCHBURG (CITY) | 47,105                       | 114,399,950                 | 93.117834                |
| ILLINOIS       | DU PAGE          | 47,054                       | 114,447,004                 | 93.156135                |
| ARKANSAS       | OUACHITA         | 46,942                       | 114,493,946                 | 93.194344                |
| PENNSYLVANIA   | BERKS            | 46,884                       | 114,540,830                 | 93.232506                |
| NORTH CAROLINA | MECKLENBURG      | 45,458                       | 114,586,288                 | 93.269508                |
| NEW MEXICO     | CURRY            | 45,254                       | 114,631,542                 | 93.306343                |
| NEW YORK       | KINGS            | 45,168                       | 114,676,710                 | 93.343108                |
| MINNESOTA      | WABASHA          | 44,874                       | 114,721,584                 | 93.379634                |
| WISCONSIN      | LA CROSSE        | 44,715                       | 114,766,299                 | 93.416031                |
| UTAH           | CACHE            | 44,277                       | 114,810,576                 | 93.452071                |
| DELAWARE       | NEW CASTLE       | 43,897                       | 114,854,473                 | 93.487801                |
| IOWA           | BLACK HAWK       | 43,386                       | 114,897,859                 | 93.523116                |
| ILLINOIS       | CHAMPAIGN        | 43,136                       | 114,940,995                 | 93.558227                |
| MARYLAND       | FREDERICK        | 43,015                       | 114,984,010                 | 93.593240                |
| NEW HAMPSHIRE  | ROCKINGHAM       | 42,809                       | 115,026,819                 | 93.628085                |
| KENTUCKY       | BOONE            | 42,370                       | 115,069,189                 | 93.662573                |
| NEVADA         | CHURCHILL        | 40,874                       | 115,110,063                 | 93.695843                |
| PENNSYLVANIA   | LACKAWANNA       | 40,332                       | 115,150,395                 | 93.728672                |
| WEST VIRGINIA  | MINGO            | 40,118                       | 115,190,513                 | 93.761327                |
| NORTH CAROLINA | DURHAM           | 38,428                       | 115,228,941                 | 93.792606                |
| FLORIDA        | MARION           | 38,341                       | 115,267,282                 | 93.823814                |
| TENNESSEE      | HARDEMAN         | 38,297                       | 115,305,579                 | 93.854987                |
| INDIANA        | HENRY            | 38,250                       | 115,343,829                 | 93.886121                |
| NEVADA         | MINERAL          | 38,218                       | 115,382,047                 | 93.917229                |
| MASSACHUSETTS  | HAMPSHIRE        | 37,777                       | 115,419,824                 | 93.947979                |
| NEW YORK       | JEFFERSON        | 37,663                       | 115,457,487                 | 93.978635                |
| SOUTH CAROLINA | BEAUFORT         | 37,495                       | 115,494,982                 | 94.009155                |
| ARIZONA        | LA PAZ           | 37,490                       | 115,532,472                 | 94.039671                |
| TEXAS          | LUBBOCK          | 37,142                       | 115,569,614                 | 94.069903                |
| HAWAII         | HAWAII           | 37,104                       | 115,606,718                 | 94.100104                |
| VIRGINIA       | SMYTH            | 37,079                       | 115,643,797                 | 94.130285                |
| NEW YORK       | TOMPKINS         | 36,804                       | 115,680,601                 | 94.160243                |
| CALIFORNIA     | SAN LUIS OBISPO  | 36,713                       | 115,717,314                 | 94.190126                |
| VIRGINIA       | YORK             | 36,623                       | 115,753,937                 | 94.219936                |
| TENNESSEE      | ANDERSON         | 36,548                       | 115,790,485                 | 94.249685                |
| PENNSYLVANIA   | CUMBERLAND       | 36,480                       | 115,826,965                 | 94.279378                |
| MINNESOTA      | DAKOTA           | 35,961                       | 115,862,926                 | 94.308649                |
| OHIO           | LUCAS            | 35,807                       | 115,898,733                 | 94.337795                |



TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
 (Sorted by value of transaction)

| State          | County            | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-------------------|------------------------------|-----------------------------|--------------------------|
| VIRGINIA       | CHESAPEAKE (CITY) | 35,434                       | 115,934,167                 | 94.366637                |
| GEORGIA        | DECATUR           | 35,324                       | 115,969,491                 | 94.395390                |
| SOUTH DAKOTA   | MEADE             | 34,990                       | 116,004,481                 | 94.423870                |
| PENNSYLVANIA   | FRANKLIN          | 34,769                       | 116,039,250                 | 94.452171                |
| MARYLAND       | CHARLES           | 34,729                       | 116,073,979                 | 94.480440                |
| LOUISIANA      | ST. TAMMANY       | 34,383                       | 116,108,362                 | 94.508426                |
| KANSAS         | JOHNSON           | 34,272                       | 116,142,634                 | 94.536323                |
| PENNSYLVANIA   | ERIE              | 33,542                       | 116,176,176                 | 94.563625                |
| CALIFORNIA     | NEVADA            | 32,833                       | 116,209,009                 | 94.590350                |
| FLORIDA        | PASCO             | 32,748                       | 116,241,757                 | 94.617005                |
| COLORADO       | ARAPAHOE          | 32,620                       | 116,274,377                 | 94.643557                |
| NEBRASKA       | DOUGLAS           | 32,472                       | 116,306,849                 | 94.669988                |
| TEXAS          | HALE              | 32,251                       | 116,339,100                 | 94.696239                |
| NORTH DAKOTA   | ROLETTE           | 31,959                       | 116,371,059                 | 94.722253                |
| ALABAMA        | ETOWAH            | 31,923                       | 116,402,982                 | 94.748237                |
| CALIFORNIA     | SONOMA            | 31,893                       | 116,434,875                 | 94.774197                |
| FLORIDA        | MONROE            | 31,648                       | 116,466,523                 | 94.799958                |
| ILLINOIS       | PEORIA            | 31,496                       | 116,498,019                 | 94.825594                |
| NORTH DAKOTA   | GRAND FORKS       | 31,188                       | 116,529,207                 | 94.850980                |
| PENNSYLVANIA   | LEHIGH            | 30,932                       | 116,560,139                 | 94.876158                |
| FLORIDA        | LEON              | 30,716                       | 116,590,855                 | 94.901160                |
| PENNSYLVANIA   | MONROE            | 30,528                       | 116,621,383                 | 94.926009                |
| MASSACHUSETTS  | PLYMOUTH          | 30,249                       | 116,651,632                 | 94.950630                |
| INDIANA        | DE KALB           | 30,173                       | 116,681,805                 | 94.975190                |
| NEW JERSEY     | CUMBERLAND        | 30,151                       | 116,711,956                 | 94.999732                |
| FLORIDA        | TAYLOR            | 29,980                       | 116,741,936                 | 95.024135                |
| WEST VIRGINIA  | WAYNE             | 29,960                       | 116,771,896                 | 95.048521                |
| NORTH CAROLINA | BURKE             | 29,888                       | 116,801,784                 | 95.072849                |
| ILLINOIS       | VERMILION         | 29,764                       | 116,831,548                 | 95.097076                |
| COLORADO       | JEFFERSON         | 29,154                       | 116,860,702                 | 95.120806                |
| PENNSYLVANIA   | FAYETTE           | 28,825                       | 116,889,527                 | 95.144269                |
| LOUISIANA      | PLAQUEMINES       | 28,639                       | 116,918,166                 | 95.167580                |
| MISSOURI       | HOWELL            | 28,428                       | 116,946,594                 | 95.190720                |
| NORTH CAROLINA | NEW HANOVER       | 27,933                       | 116,974,527                 | 95.213456                |
| LOUISIANA      | RAPIDES           | 27,853                       | 117,002,380                 | 95.236128                |
| KENTUCKY       | CARTER            | 27,719                       | 117,030,099                 | 95.258690                |
| TEXAS          | WEBB              | 27,705                       | 117,057,804                 | 95.281241                |
| NORTH CAROLINA | MCDOWELL          | 27,623                       | 117,085,427                 | 95.303725                |
| WYOMING        | WESTON            | 27,311                       | 117,112,738                 | 95.325956                |
| IOWA           | DES MOINES        | 27,150                       | 117,139,888                 | 95.348055                |
| MICHIGAN       | OTTAWA            | 27,131                       | 117,167,019                 | 95.370139                |
| WYOMING        | LARAMIE           | 27,037                       | 117,194,056                 | 95.392146                |
| NEW JERSEY     | OCEAN             | 27,028                       | 117,221,084                 | 95.414146                |
| WISCONSIN      | DANE              | 26,998                       | 117,248,082                 | 95.436121                |
| ALABAMA        | TUSCALOOSA        | 26,833                       | 117,274,915                 | 95.457962                |
| NORTH DAKOTA   | WARD              | 26,825                       | 117,301,740                 | 95.479797                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)

(Sorted by value of transaction)

| State          | County                    | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|---------------------------|------------------------------|-----------------------------|--------------------------|
| MICHIGAN       | MARQUETTE                 | 26,531                       | 117,328,271                 | 95.501392                |
| GEORGIA        | RICHMOND                  | 26,508                       | 117,354,779                 | 95.522969                |
| PENNSYLVANIA   | CLEARFIELD                | 26,467                       | 117,381,246                 | 95.544512                |
| NORTH CAROLINA | ROCKINGHAM                | 26,449                       | 117,407,695                 | 95.566041                |
| CALIFORNIA     | MERCED                    | 26,331                       | 117,434,026                 | 95.587474                |
| MARYLAND       | CALVERT                   | 26,226                       | 117,460,252                 | 95.608821                |
| LOUISIANA      | VERNON                    | 26,149                       | 117,486,401                 | 95.630105                |
| MICHIGAN       | JACKSON                   | 25,710                       | 117,512,111                 | 95.651032                |
| VIRGINIA       | LOUDOUN                   | 25,590                       | 117,537,701                 | 95.671862                |
| NORTH DAKOTA   | BENSON                    | 25,314                       | 117,563,015                 | 95.692466                |
| WASHINGTON     | ISLAND                    | 25,157                       | 117,588,172                 | 95.712943                |
| NEBRASKA       | LANCASTER                 | 25,110                       | 117,613,282                 | 95.733382                |
| MARYLAND       | CARROLL                   | 25,109                       | 117,638,391                 | 95.753820                |
| MARYLAND       | WASHINGTON                | 25,030                       | 117,663,421                 | 95.774194                |
| MICHIGAN       | KALAMAZOO                 | 24,949                       | 117,688,370                 | 95.794501                |
| NORTH CAROLINA | WAYNE                     | 24,853                       | 117,713,223                 | 95.814731                |
| MASSACHUSETTS  | HAMPDEN                   | 24,811                       | 117,738,034                 | 95.834926                |
| CALIFORNIA     | FRESNO                    | 24,689                       | 117,762,723                 | 95.855022                |
| NEW JERSEY     | WARREN                    | 24,653                       | 117,787,376                 | 95.875089                |
| LOUISIANA      | JEFFERSON                 | 24,576                       | 117,811,952                 | 95.895093                |
| MISSISSIPPI    | PEARL RIVER               | 24,474                       | 117,836,426                 | 95.915014                |
| COLORADO       | MESA                      | 24,469                       | 117,860,895                 | 95.934931                |
| ILLINOIS       | WILL                      | 24,465                       | 117,885,360                 | 95.954845                |
| UTAH           | UTAH                      | 23,992                       | 117,909,352                 | 95.974373                |
| TEXAS          | SMITH                     | 23,677                       | 117,933,029                 | 95.993646                |
| MINNESOTA      | ITASCA                    | 23,496                       | 117,956,525                 | 96.012771                |
| NEW MEXICO     | TORRANCE                  | 23,475                       | 117,980,000                 | 96.031879                |
| NEW YORK       | ALBANY                    | 23,345                       | 118,003,345                 | 96.050881                |
| OHIO           | MIAMI                     | 23,310                       | 118,026,655                 | 96.069854                |
| ARIZONA        | PINAL                     | 23,013                       | 118,049,668                 | 96.088586                |
| OHIO           | CHAMPAIGN                 | 22,735                       | 118,072,403                 | 96.107092                |
| FLORIDA        | SANTA ROSA                | 22,723                       | 118,095,126                 | 96.125587                |
| ARKANSAS       | JEFFERSON                 | 22,583                       | 118,117,709                 | 96.143969                |
| ALASKA         | KENAI PENINSULA           | 22,443                       | 118,140,152                 | 96.162237                |
| WISCONSIN      | DOOR                      | 22,336                       | 118,162,488                 | 96.180418                |
| WISCONSIN      | SAUK                      | 22,313                       | 118,184,801                 | 96.198580                |
| WASHINGTON     | FRANKLIN                  | 22,171                       | 118,206,972                 | 96.216626                |
| WISCONSIN      | MONROE                    | 22,095                       | 118,229,067                 | 96.234611                |
| OHIO           | AUGLAIZE                  | 22,005                       | 118,251,072                 | 96.252522                |
| VIRGINIA       | CHARLOTTESVILLE<br>(CITY) | 21,821                       | 118,272,893                 | 96.270284                |
| LOUISIANA      | WEST BATON ROUGE          | 21,765                       | 118,294,658                 | 96.288000                |
| OKLAHOMA       | CLEVELAND                 | 21,708                       | 118,316,366                 | 96.305670                |
| CONNECTICUT    | MIDDLESEX                 | 21,618                       | 118,337,984                 | 96.323266                |
| ARKANSAS       | FRANKLIN                  | 21,445                       | 118,359,429                 | 96.340721                |
| WISCONSIN      | ROCK                      | 21,439                       | 118,380,868                 | 96.358172                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
 (Sorted by value of transaction)

| State          | County              | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|---------------------|------------------------------|-----------------------------|--------------------------|
| ALABAMA        | CHEROKEE            | 21,303                       | 118,402,171                 | 96.375512                |
| MASSACHUSETTS  | BARNSTABLE          | 21,302                       | 118,423,473                 | 96.392851                |
| MISSISSIPPI    | TISHOMINGO          | 21,243                       | 118,444,716                 | 96.410142                |
| PENNSYLVANIA   | GREENE              | 21,138                       | 118,465,854                 | 96.427348                |
| OHIO           | MONTGOMERY          | 20,874                       | 118,486,728                 | 96.444339                |
| NORTH CAROLINA | MONTGOMERY          | 20,742                       | 118,507,470                 | 96.461222                |
| ARKANSAS       | SEBASTIAN           | 20,685                       | 118,528,155                 | 96.478059                |
| INDIANA        | MARTIN              | 20,553                       | 118,548,708                 | 96.494788                |
| MICHIGAN       | NEWAYGO             | 20,423                       | 118,569,131                 | 96.511412                |
| OREGON         | YAMHILL             | 20,413                       | 118,589,544                 | 96.528028                |
| ALABAMA        | DALE                | 20,388                       | 118,609,932                 | 96.544623                |
| OHIO           | PORTAGE             | 20,317                       | 118,630,249                 | 96.561160                |
| WISCONSIN      | WAUKESHA            | 20,298                       | 118,650,547                 | 96.577682                |
| PENNSYLVANIA   | DAUPHIN             | 20,082                       | 118,670,629                 | 96.594028                |
| NEW MEXICO     | MCKINLEY            | 19,890                       | 118,690,519                 | 96.610218                |
| GEORGIA        | HALL                | 19,831                       | 118,710,350                 | 96.626360                |
| CONNECTICUT    | LITCHFIELD          | 19,752                       | 118,730,102                 | 96.642437                |
| GEORGIA        | DOUGHERTY           | 19,574                       | 118,749,676                 | 96.658370                |
| WISCONSIN      | VERNON              | 19,572                       | 118,769,248                 | 96.674301                |
| FLORIDA        | SEMINOLE            | 19,467                       | 118,788,715                 | 96.690146                |
| NEW YORK       | NIAGARA             | 19,351                       | 118,808,066                 | 96.705897                |
| TENNESSEE      | DAVIDSON            | 19,289                       | 118,827,355                 | 96.721598                |
| OKLAHOMA       | PAYNE               | 19,285                       | 118,846,640                 | 96.737295                |
| NORTH CAROLINA | EDGECOMBE           | 19,157                       | 118,865,797                 | 96.752889                |
| ARKANSAS       | CROSS               | 19,152                       | 118,884,949                 | 96.768478                |
| WISCONSIN      | CHIPPEWA            | 18,880                       | 118,903,829                 | 96.783845                |
| WEST VIRGINIA  | MINERAL             | 18,800                       | 118,922,629                 | 96.799148                |
| MICHIGAN       | EATON               | 18,752                       | 118,941,381                 | 96.814411                |
| HAWAII         | MAUI                | 18,638                       | 118,960,019                 | 96.829582                |
| WEST VIRGINIA  | GREENBRIER          | 18,433                       | 118,978,452                 | 96.844586                |
| INDIANA        | MONROE              | 18,385                       | 118,996,837                 | 96.859551                |
| VIRGINIA       | WILLIAMSBURG (CITY) | 18,370                       | 119,015,207                 | 96.874503                |
| LOUISIANA      | GRANT               | 18,244                       | 119,033,451                 | 96.889353                |
| TEXAS          | TAYLOR              | 18,193                       | 119,051,644                 | 96.904162                |
| VIRGINIA       | FAUQUIER            | 18,103                       | 119,069,747                 | 96.918897                |
| FLORIDA        | ALACHUA             | 18,031                       | 119,087,778                 | 96.933574                |
| VIRGINIA       | LEE                 | 17,917                       | 119,105,695                 | 96.948158                |
| PENNSYLVANIA   | BUTLER              | 17,874                       | 119,123,569                 | 96.962707                |
| TEXAS          | CARSON              | 17,849                       | 119,141,418                 | 96.977235                |
| OKLAHOMA       | JACKSON             | 17,810                       | 119,159,228                 | 96.991732                |
| MISSISSIPPI    | COPIAH              | 17,669                       | 119,176,897                 | 97.006114                |
| NORTH DAKOTA   | CASS                | 17,582                       | 119,194,479                 | 97.020425                |
| IDAHO          | ELMORE              | 17,555                       | 119,212,034                 | 97.034714                |
| CALIFORNIA     | STANISLAUS          | 17,553                       | 119,229,587                 | 97.049002                |
| ILLINOIS       | KANE                | 17,358                       | 119,246,945                 | 97.063131                |
| ALABAMA        | FRANKLIN            | 17,250                       | 119,264,195                 | 97.077172                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
(Sorted by value of transaction)

| State          | County         | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|----------------|------------------------------|-----------------------------|--------------------------|
| INDIANA        | WHITLEY        | 16,969                       | 119,281,164                 | 97.090984                |
| IDAHO          | ADA            | 16,869                       | 119,298,033                 | 97.104715                |
| TEXAS          | TOM GREEN      | 16,759                       | 119,314,792                 | 97.118356                |
| NORTH CAROLINA | BERTIE         | 16,739                       | 119,331,531                 | 97.131981                |
| GEORGIA        | BIBB           | 16,625                       | 119,348,156                 | 97.145513                |
| TENNESSEE      | LOUDON         | 16,525                       | 119,364,681                 | 97.158964                |
| KENTUCKY       | HARLAN         | 16,520                       | 119,381,201                 | 97.172411                |
| WISCONSIN      | LANGLADE       | 16,490                       | 119,397,691                 | 97.185833                |
| TEXAS          | VAL VERDE      | 16,367                       | 119,414,058                 | 97.199155                |
| CALIFORNIA     | YOLO           | 16,310                       | 119,430,368                 | 97.212431                |
| ILLINOIS       | EFFINGHAM      | 16,266                       | 119,446,634                 | 97.225671                |
| KANSAS         | RILEY          | 16,221                       | 119,462,855                 | 97.238874                |
| TEXAS          | TRAVIS         | 16,075                       | 119,478,930                 | 97.251959                |
| GEORGIA        | MCINTOSH       | 15,997                       | 119,494,927                 | 97.264980                |
| SOUTH CAROLINA | BARNWELL       | 15,920                       | 119,510,847                 | 97.277938                |
| NEW YORK       | CHAUTAUQUA     | 15,902                       | 119,526,749                 | 97.290882                |
| OHIO           | CLARK          | 15,716                       | 119,542,465                 | 97.303674                |
| PENNSYLVANIA   | LYCOMING       | 15,615                       | 119,558,080                 | 97.316384                |
| GEORGIA        | TROUP          | 15,580                       | 119,573,660                 | 97.329066                |
| PENNSYLVANIA   | CLINTON        | 15,551                       | 119,589,211                 | 97.341724                |
| OKLAHOMA       | MUSKOGEE       | 15,157                       | 119,604,368                 | 97.354061                |
| MINNESOTA      | ST. LOUIS      | 15,084                       | 119,619,452                 | 97.366339                |
| GEORGIA        | LOWNDES        | 14,982                       | 119,634,434                 | 97.378534                |
| MISSOURI       | NEWTON         | 14,902                       | 119,649,336                 | 97.390664                |
| VIRGINIA       | BEDFORD (CITY) | 14,850                       | 119,664,186                 | 97.402751                |
| MICHIGAN       | CALHOUN        | 14,703                       | 119,678,889                 | 97.414719                |
| ARKANSAS       | PHILLIPS       | 14,652                       | 119,693,541                 | 97.426645                |
| OHIO           | WARREN         | 14,591                       | 119,708,132                 | 97.438522                |
| CALIFORNIA     | MARIN          | 14,533                       | 119,722,665                 | 97.450351                |
| IOWA           | SCOTT          | 14,432                       | 119,737,097                 | 97.462098                |
| KENTUCKY       | MCCREARY       | 14,422                       | 119,751,519                 | 97.473837                |
| NEW YORK       | OTSEGO         | 14,389                       | 119,765,908                 | 97.485550                |
| MISSISSIPPI    | MARION         | 14,359                       | 119,780,267                 | 97.497237                |
| TENNESSEE      | UNICOI         | 14,033                       | 119,794,300                 | 97.508660                |
| KENTUCKY       | WARREN         | 13,997                       | 119,808,297                 | 97.520053                |
| MONTANA        | ROOSEVELT      | 13,917                       | 119,822,214                 | 97.531381                |
| ARIZONA        | YUMA           | 13,896                       | 119,836,110                 | 97.542692                |
| IDAHO          | CLEARWATER     | 13,762                       | 119,849,872                 | 97.553894                |
| KANSAS         | LABETTE        | 13,755                       | 119,863,627                 | 97.565090                |
| NEW HAMPSHIRE  | GRAFTON        | 13,737                       | 119,877,364                 | 97.576271                |
| OKLAHOMA       | TULSA          | 13,596                       | 119,890,960                 | 97.587338                |
| IOWA           | DUBUQUE        | 13,559                       | 119,904,519                 | 97.598374                |
| KENTUCKY       | MADISON        | 13,529                       | 119,918,048                 | 97.609387                |
| MICHIGAN       | ST. CLAIR      | 13,528                       | 119,931,576                 | 97.620398                |
| ALABAMA        | CHOCTAW        | 13,410                       | 119,944,986                 | 97.631313                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
 (Sorted by value of transaction)

| State          | County                   | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|--------------------------|------------------------------|-----------------------------|--------------------------|
| VIRGINIA       | NOTTOWAY                 | 13,357                       | 119,958,343                 | 97.642185                |
| PENNSYLVANIA   | WESTMORELAND             | 13,261                       | 119,971,604                 | 97.652979                |
| MICHIGAN       | ALLEGAN                  | 13,235                       | 119,984,839                 | 97.663752                |
| CALIFORNIA     | IMPERIAL                 | 13,122                       | 119,997,961                 | 97.674433                |
| LOUISIANA      | ST. BERNARD              | 13,113                       | 120,011,074                 | 97.685107                |
| ALABAMA        | TALLADEGA                | 13,053                       | 120,024,127                 | 97.695731                |
| CONNECTICUT    | WINDHAM                  | 13,037                       | 120,037,164                 | 97.706343                |
| WISCONSIN      | JUNEAU                   | 12,965                       | 120,050,129                 | 97.716896                |
| WEST VIRGINIA  | BERKELEY                 | 12,911                       | 120,063,040                 | 97.727405                |
| IOWA           | MUSCATINE                | 12,873                       | 120,075,913                 | 97.737884                |
| PENNSYLVANIA   | CARBON                   | 12,826                       | 120,088,739                 | 97.748323                |
| NEVADA         | NYE                      | 12,784                       | 120,101,523                 | 97.758729                |
| MISSISSIPPI    | LAUDERDALE               | 12,574                       | 120,114,097                 | 97.768964                |
| MISSISSIPPI    | CLAY                     | 12,349                       | 120,126,446                 | 97.779016                |
| WISCONSIN      | OZAUKEE                  | 12,343                       | 120,138,789                 | 97.789063                |
| SOUTH CAROLINA | JASPER                   | 12,291                       | 120,151,080                 | 97.799067                |
| MICHIGAN       | BERRIEN                  | 12,281                       | 120,163,361                 | 97.809063                |
| SOUTH CAROLINA | HORRY                    | 12,269                       | 120,175,630                 | 97.819050                |
| ARKANSAS       | POPE                     | 12,267                       | 120,187,897                 | 97.829035                |
| NORTH CAROLINA | HAYWOOD                  | 12,256                       | 120,200,153                 | 97.839011                |
| CALIFORNIA     | TULARE                   | 12,146                       | 120,212,299                 | 97.848897                |
| WEST VIRGINIA  | MARION                   | 12,140                       | 120,224,439                 | 97.858779                |
| OHIO           | FRANKLIN                 | 12,132                       | 120,236,571                 | 97.868654                |
| KENTUCKY       | PIKE                     | 12,042                       | 120,248,613                 | 97.878456                |
| OHIO           | DELAWARE                 | 12,041                       | 120,260,654                 | 97.888257                |
| MISSISSIPPI    | LEFLORE                  | 11,952                       | 120,272,606                 | 97.897985                |
| WASHINGTON     | YAKIMA                   | 11,951                       | 120,284,557                 | 97.907713                |
| MAINE          | AROOSTOOK                | 11,943                       | 120,296,500                 | 97.917434                |
| VIRGINIA       | DINWIDDIE                | 11,837                       | 120,308,337                 | 97.927069                |
| VIRGINIA       | DANVILLE (CITY)          | 11,815                       | 120,320,152                 | 97.936686                |
| VIRGINIA       | FREDERICKSBURG<br>(CITY) | 11,710                       | 120,331,862                 | 97.946218                |
| CALIFORNIA     | YUBA                     | 11,696                       | 120,343,558                 | 97.955738                |
| FLORIDA        | MARTIN                   | 11,682                       | 120,355,240                 | 97.965247                |
| MICHIGAN       | IOSCO                    | 11,672                       | 120,366,912                 | 97.974747                |
| TENNESSEE      | GREENE                   | 11,666                       | 120,378,578                 | 97.984243                |
| RHODE ISLAND   | KENT                     | 11,662                       | 120,390,240                 | 97.993735                |
| SOUTH DAKOTA   | HUTCHINSON               | 11,588                       | 120,401,828                 | 98.003168                |
| LOUISIANA      | WEST FELICIANA           | 11,585                       | 120,413,413                 | 98.012598                |
| VIRGINIA       | CUMBERLAND               | 11,497                       | 120,424,910                 | 98.021956                |
| LOUISIANA      | CADDO                    | 11,320                       | 120,436,230                 | 98.031170                |
| SOUTH DAKOTA   | YANKTON                  | 11,136                       | 120,447,366                 | 98.040234                |
| ILLINOIS       | CALHOUN                  | 11,085                       | 120,458,451                 | 98.049257                |
| MINNESOTA      | OLMSTED                  | 10,853                       | 120,469,304                 | 98.058091                |
| MINNESOTA      | BROWN                    | 10,841                       | 120,480,145                 | 98.066915                |
| TEXAS          | LAMAR                    | 10,828                       | 120,490,973                 | 98.075729                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
(Sorted by value of transaction)

| State          | County        | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|---------------|------------------------------|-----------------------------|--------------------------|
| KANSAS         | WYANDOTTE     | 10,827                       | 120,501,800                 | 98.084542                |
| NEW YORK       | WAYNE         | 10,675                       | 120,512,475                 | 98.093231                |
| NORTH CAROLINA | CLEVELAND     | 10,672                       | 120,523,147                 | 98.101917                |
| OHIO           | HURON         | 10,661                       | 120,533,808                 | 98.110595                |
| INDIANA        | CASS          | 10,653                       | 120,544,461                 | 98.119266                |
| ALABAMA        | MORGAN        | 10,638                       | 120,555,099                 | 98.127925                |
| WISCONSIN      | BROWN         | 10,595                       | 120,565,694                 | 98.136549                |
| IOWA           | POTTAWATTAMIE | 10,540                       | 120,576,234                 | 98.145129                |
| TENNESSEE      | KNOX          | 10,498                       | 120,586,732                 | 98.153674                |
| OHIO           | LORAIN        | 10,434                       | 120,597,166                 | 98.162167                |
| ALABAMA        | RANDOLPH      | 10,343                       | 120,607,509                 | 98.170585                |
| GEORGIA        | CLAYTON       | 10,342                       | 120,617,851                 | 98.179003                |
| WEST VIRGINIA  | HARRISON      | 10,321                       | 120,628,172                 | 98.187404                |
| IDAHO          | BINGHAM       | 10,277                       | 120,638,449                 | 98.195770                |
| MINNESOTA      | MOWER         | 10,184                       | 120,648,633                 | 98.204059                |
| INDIANA        | VIGO          | 10,155                       | 120,658,788                 | 98.212325                |
| FLORIDA        | ST. JOHNS     | 10,104                       | 120,668,892                 | 98.220549                |
| ARKANSAS       | COLUMBIA      | 10,081                       | 120,678,973                 | 98.228755                |
| MISSISSIPPI    | WASHINGTON    | 10,058                       | 120,689,031                 | 98.236942                |
| MICHIGAN       | DICKINSON     | 9,940                        | 120,698,971                 | 98.245032                |
| NEW YORK       | ONTARIO       | 9,878                        | 120,708,849                 | 98.253073                |
| TEXAS          | ARCHER        | 9,821                        | 120,718,670                 | 98.261067                |
| OHIO           | MAHONING      | 9,770                        | 120,728,440                 | 98.269019                |
| PENNSYLVANIA   | VENANGO       | 9,750                        | 120,738,190                 | 98.276955                |
| FLORIDA        | COLLIER       | 9,750                        | 120,747,940                 | 98.284892                |
| CALIFORNIA     | KINGS         | 9,720                        | 120,757,660                 | 98.292803                |
| NEW YORK       | STEUBEN       | 9,645                        | 120,767,305                 | 98.300654                |
| NEW YORK       | CHENANGO      | 9,632                        | 120,776,937                 | 98.308494                |
| PENNSYLVANIA   | LUZERNE       | 9,554                        | 120,786,491                 | 98.316271                |
| FLORIDA        | CLAY          | 9,540                        | 120,796,031                 | 98.324036                |
| IOWA           | LEE           | 9,511                        | 120,805,542                 | 98.331778                |
| NEW YORK       | ULSTER        | 9,377                        | 120,814,919                 | 98.339410                |
| MAINE          | WALDO         | 9,347                        | 120,824,266                 | 98.347019                |
| NEW YORK       | ROCKLAND      | 9,340                        | 120,833,606                 | 98.354621                |
| INDIANA        | VERMILLION    | 9,334                        | 120,842,940                 | 98.362219                |
| SOUTH DAKOTA   | PENNINGTON    | 9,235                        | 120,852,175                 | 98.369736                |
| ARKANSAS       | MISSISSIPPI   | 9,223                        | 120,861,398                 | 98.377243                |
| PENNSYLVANIA   | LEBANON       | 9,194                        | 120,870,592                 | 98.384726                |
| LOUISIANA      | RED RIVER     | 9,108                        | 120,879,700                 | 98.392140                |
| OHIO           | BUTLER        | 9,043                        | 120,888,743                 | 98.399501                |
| MICHIGAN       | BAY           | 8,911                        | 120,897,654                 | 98.406754                |
| NORTH CAROLINA | ALAMANCE      | 8,858                        | 120,906,512                 | 98.413964                |
| OHIO           | OTTAWA        | 8,847                        | 120,915,359                 | 98.421165                |
| NEW MEXICO     | LOS ALAMOS    | 8,828                        | 120,924,187                 | 98.428351                |
| MINNESOTA      | GOODHUE       | 8,755                        | 120,932,942                 | 98.435477                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
 (Sorted by value of transaction)

| State          | County          | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-----------------|------------------------------|-----------------------------|--------------------------|
| FLORIDA        | INDIAN RIVER    | 8,731                        | 120,941,673                 | 98.442584                |
| IDAHO          | BANNOCK         | 8,685                        | 120,950,358                 | 98.449653                |
| VIRGINIA       | CAMPBELL        | 8,636                        | 120,958,994                 | 98.456683                |
| ALASKA         | BRISTOL BAY     | 8,570                        | 120,967,564                 | 98.463658                |
| NORTH CAROLINA | ROBESON         | 8,477                        | 120,976,041                 | 98.470558                |
| VIRGINIA       | HOPEWELL (CITY) | 8,438                        | 120,984,479                 | 98.477427                |
| MARYLAND       | WICOMICO        | 8,405                        | 120,992,884                 | 98.484268                |
| MARYLAND       | CECIL           | 8,352                        | 121,001,236                 | 98.491066                |
| MICHIGAN       | SAGINAW         | 8,167                        | 121,009,403                 | 98.497714                |
| OREGON         | JOSEPHINE       | 8,164                        | 121,017,567                 | 98.504359                |
| NEW YORK       | LEWIS           | 8,124                        | 121,025,691                 | 98.510972                |
| NORTH CAROLINA | DAVIDSON        | 8,039                        | 121,033,730                 | 98.517515                |
| NEVADA         | WASHOE          | 8,007                        | 121,041,737                 | 98.524033                |
| INDIANA        | GREENE          | 7,923                        | 121,049,660                 | 98.530482                |
| OKLAHOMA       | PITTSBURG       | 7,917                        | 121,057,577                 | 98.536926                |
| PENNSYLVANIA   | WARREN          | 7,899                        | 121,065,476                 | 98.543356                |
| ARKANSAS       | BENTON          | 7,882                        | 121,073,358                 | 98.549771                |
| FLORIDA        | SARASOTA        | 7,879                        | 121,081,237                 | 98.556185                |
| MISSOURI       | CASS            | 7,826                        | 121,089,063                 | 98.562555                |
| MINNESOTA      | WATONWAN        | 7,796                        | 121,096,859                 | 98.568900                |
| NEW YORK       | RENSSELAER      | 7,790                        | 121,104,649                 | 98.575241                |
| MISSISSIPPI    | HANCOCK         | 7,782                        | 121,112,431                 | 98.581575                |
| KENTUCKY       | FAYETTE         | 7,680                        | 121,120,111                 | 98.587827                |
| NEW HAMPSHIRE  | BELKNAP         | 7,676                        | 121,127,787                 | 98.594075                |
| ARKANSAS       | BOONE           | 7,666                        | 121,135,453                 | 98.600315                |
| NORTH CAROLINA | CARTERET        | 7,663                        | 121,143,116                 | 98.606552                |
| TENNESSEE      | GIBSON          | 7,660                        | 121,150,776                 | 98.612787                |
| INDIANA        | TIPPECANOE      | 7,470                        | 121,158,246                 | 98.618867                |
| FLORIDA        | POLK            | 7,466                        | 121,165,712                 | 98.624944                |
| WYOMING        | NATRONA         | 7,458                        | 121,173,170                 | 98.631015                |
| NEW YORK       | CAYUGA          | 7,435                        | 121,180,605                 | 98.637067                |
| UTAH           | SUMMIT          | 7,417                        | 121,188,022                 | 98.643104                |
| PENNSYLVANIA   | SCHUYLKILL      | 7,398                        | 121,195,420                 | 98.649126                |
| ILLINOIS       | KANKAKEE        | 7,379                        | 121,202,799                 | 98.655132                |
| DELAWARE       | SUSSEX          | 7,378                        | 121,210,177                 | 98.661138                |
| NORTH DAKOTA   | PEMBINA         | 7,374                        | 121,217,551                 | 98.667140                |
| MAINE          | KNOX            | 7,294                        | 121,224,845                 | 98.673077                |
| OHIO           | RICHLAND        | 7,240                        | 121,232,085                 | 98.678970                |
| ARKANSAS       | ARKANSAS        | 7,204                        | 121,239,289                 | 98.684834                |
| MAINE          | PENOBSCOT       | 7,154                        | 121,246,443                 | 98.690657                |
| TENNESSEE      | MAURY           | 7,153                        | 121,253,596                 | 98.696479                |
| NORTH CAROLINA | DARE            | 7,148                        | 121,260,744                 | 98.702297                |
| ALABAMA        | CULLMAN         | 7,124                        | 121,267,868                 | 98.708096                |
| WISCONSIN      | OUTAGAMIE       | 7,113                        | 121,274,981                 | 98.713886                |
| KENTUCKY       | KNOX            | 7,098                        | 121,282,079                 | 98.719663                |
| IOWA           | WOODBURY        | 7,071                        | 121,289,150                 | 98.725419                |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County              | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|---------------------|------------------------------|-----------------------------|--------------------------|
| INDIANA        | HAMILTON            | 7,053                        | 121,296,203                 | 98.731160                |
| WISCONSIN      | CALUMET             | 6,965                        | 121,303,168                 | 98.736829                |
| ALASKA         | SOUTHEAST FAIRBANKS | 6,958                        | 121,310,126                 | 98.742493                |
| WASHINGTON     | SKAGIT              | 6,925                        | 121,317,051                 | 98.748129                |
| OHIO           | COSHOCTON           | 6,909                        | 121,323,960                 | 98.753753                |
| MICHIGAN       | LIVINGSTON          | 6,850                        | 121,330,810                 | 98.759329                |
| GEORGIA        | POLK                | 6,817                        | 121,337,627                 | 98.764878                |
| LOUISIANA      | CONCORDIA           | 6,785                        | 121,344,412                 | 98.770400                |
| KANSAS         | SUMNER              | 6,734                        | 121,351,146                 | 98.775882                |
| WISCONSIN      | BURNETT             | 6,727                        | 121,357,873                 | 98.781357                |
| MONTANA        | VALLEY              | 6,726                        | 121,364,599                 | 98.786832                |
| VERMONT        | ADDISON             | 6,719                        | 121,371,318                 | 98.792301                |
| MONTANA        | LAKE                | 6,621                        | 121,377,939                 | 98.797690                |
| SOUTH CAROLINA | AIKEN               | 6,616                        | 121,384,555                 | 98.803076                |
| ALABAMA        | PICKENS             | 6,563                        | 121,391,118                 | 98.808418                |
| OHIO           | COLUMBIANA          | 6,530                        | 121,397,648                 | 98.813733                |
| NORTH CAROLINA | GASTON              | 6,519                        | 121,404,167                 | 98.819039                |
| NEBRASKA       | DAKOTA              | 6,431                        | 121,410,598                 | 98.824274                |
| NEW YORK       | FULTON              | 6,429                        | 121,417,027                 | 98.829507                |
| VIRGINIA       | CHESTERFIELD        | 6,390                        | 121,423,417                 | 98.834708                |
| MARYLAND       | KENT                | 6,345                        | 121,429,762                 | 98.839873                |
| ALASKA         | VALDEZ-CORDOVA      | 6,329                        | 121,436,091                 | 98.845024                |
| MISSOURI       | GREENE              | 6,271                        | 121,442,362                 | 98.850129                |
| MINNESOTA      | CARVER              | 6,268                        | 121,448,630                 | 98.855230                |
| NEBRASKA       | SCOTTS BLUFF        | 6,257                        | 121,454,887                 | 98.860323                |
| NORTH CAROLINA | LENOIR              | 6,211                        | 121,461,098                 | 98.865379                |
| COLORADO       | WELD                | 6,201                        | 121,467,299                 | 98.870426                |
| RHODE ISLAND   | WASHINGTON          | 6,165                        | 121,473,464                 | 98.875445                |
| INDIANA        | ELKHART             | 6,165                        | 121,479,629                 | 98.880463                |
| MARYLAND       | WORCESTER           | 6,149                        | 121,485,778                 | 98.885468                |
| TENNESSEE      | MORGAN              | 6,092                        | 121,491,870                 | 98.890426                |
| COLORADO       | LARIMER             | 6,086                        | 121,497,956                 | 98.895380                |
| PENNSYLVANIA   | SOMERSET            | 6,035                        | 121,503,991                 | 98.900293                |
| MISSOURI       | WEBSTER             | 5,975                        | 121,509,966                 | 98.905156                |
| COLORADO       | PUEBLO              | 5,946                        | 121,515,912                 | 98.909996                |
| PENNSYLVANIA   | SUSQUEHANNA         | 5,877                        | 121,521,789                 | 98.914780                |
| WISCONSIN      | MARINETTE           | 5,850                        | 121,527,639                 | 98.919541                |
| MISSOURI       | JASPER              | 5,838                        | 121,533,477                 | 98.924293                |
| CALIFORNIA     | PLACER              | 5,833                        | 121,539,310                 | 98.929041                |
| FLORIDA        | LEE                 | 5,817                        | 121,545,127                 | 98.933776                |
| NEW MEXICO     | CIBOLA              | 5,811                        | 121,550,938                 | 98.938506                |
| PENNSYLVANIA   | NORTHAMPTON         | 5,806                        | 121,556,744                 | 98.943232                |
| IOWA           | ALLAMAKEE           | 5,780                        | 121,562,524                 | 98.947937                |
| PENNSYLVANIA   | BEAVER              | 5,770                        | 121,568,294                 | 98.952633                |
| TEXAS          | MONTGOMERY          | 5,751                        | 121,574,045                 | 98.957314                |



TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
 (Sorted by value of transaction)

| State          | County         | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|----------------|------------------------------|-----------------------------|--------------------------|
| TEXAS          | UVALDE         | 5,725                        | 121,579,770                 | 98.961974                |
| ILLINOIS       | MASSAC         | 5,720                        | 121,585,490                 | 98.966630                |
| NORTH CAROLINA | JONES          | 5,637                        | 121,591,127                 | 98.971218                |
| TEXAS          | BRAZOS         | 5,636                        | 121,596,763                 | 98.975806                |
| ARKANSAS       | GARLAND        | 5,600                        | 121,602,363                 | 98.980364                |
| OHIO           | LAKE           | 5,589                        | 121,607,952                 | 98.984913                |
| ARKANSAS       | LAFAYETTE      | 5,568                        | 121,613,520                 | 98.989446                |
| TENNESSEE      | DYER           | 5,556                        | 121,619,076                 | 98.993968                |
| WASHINGTON     | CLARK          | 5,551                        | 121,624,627                 | 98.998486                |
| NEW MEXICO     | SAN JUAN       | 5,506                        | 121,630,133                 | 99.002968                |
| CALIFORNIA     | NAPA           | 5,458                        | 121,635,591                 | 99.007411                |
| NEW HAMPSHIRE  | SULLIVAN       | 5,418                        | 121,641,009                 | 99.011821                |
| ILLINOIS       | ADAMS          | 5,418                        | 121,646,427                 | 99.016231                |
| INDIANA        | WABASH         | 5,406                        | 121,651,833                 | 99.020631                |
| INDIANA        | LA PORTE       | 5,403                        | 121,657,236                 | 99.025029                |
| TENNESSEE      | LAUDERDALE     | 5,399                        | 121,662,635                 | 99.029424                |
| NEBRASKA       | THURSTON       | 5,372                        | 121,668,007                 | 99.033796                |
| NEW MEXICO     | SIERRA         | 5,341                        | 121,673,348                 | 99.038144                |
| VIRGINIA       | GOOCHLAND      | 5,330                        | 121,678,678                 | 99.042482                |
| NEW YORK       | SENECA         | 5,291                        | 121,683,969                 | 99.046789                |
| OHIO           | WASHINGTON     | 5,277                        | 121,689,246                 | 99.051084                |
| MICHIGAN       | DELTA          | 5,215                        | 121,694,461                 | 99.055329                |
| COLORADO       | TELLER         | 5,198                        | 121,699,659                 | 99.059560                |
| TENNESSEE      | TIPTON         | 5,195                        | 121,704,854                 | 99.063788                |
| OHIO           | HANCOCK        | 5,193                        | 121,710,047                 | 99.068015                |
| ILLINOIS       | MCHENRY        | 5,143                        | 121,715,190                 | 99.072202                |
| VIRGINIA       | BUCHANAN       | 5,081                        | 121,720,271                 | 99.076337                |
| GEORGIA        | GLYNN          | 5,059                        | 121,725,330                 | 99.080455                |
| MISSOURI       | CAPE GIRARDEAU | 5,021                        | 121,730,351                 | 99.084542                |
| TENNESSEE      | FRANKLIN       | 5,011                        | 121,735,362                 | 99.088621                |
| TEXAS          | GREGG          | 4,996                        | 121,740,358                 | 99.092688                |
| TENNESSEE      | HAMILTON       | 4,985                        | 121,745,343                 | 99.096745                |
| CALIFORNIA     | LASSEN         | 4,963                        | 121,750,306                 | 99.100785                |
| HAWAII         | KAUAI          | 4,917                        | 121,755,223                 | 99.104787                |
| OHIO           | TRUMBULL       | 4,901                        | 121,760,124                 | 99.108776                |
| MISSOURI       | CALLAWAY       | 4,786                        | 121,764,910                 | 99.112672                |
| SOUTH CAROLINA | OCONEE         | 4,783                        | 121,769,693                 | 99.116565                |
| CALIFORNIA     | SAN BENITO     | 4,731                        | 121,774,424                 | 99.120416                |
| MICHIGAN       | GOGEBIC        | 4,713                        | 121,779,137                 | 99.124252                |
| ILLINOIS       | MCLEAN         | 4,705                        | 121,783,842                 | 99.128082                |
| NEW JERSEY     | HUNTERDON      | 4,649                        | 121,788,491                 | 99.131866                |
| PENNSYLVANIA   | LAWRENCE       | 4,641                        | 121,793,132                 | 99.135644                |
| MICHIGAN       | ARENAC         | 4,633                        | 121,797,765                 | 99.139415                |
| ALABAMA        | LEE            | 4,627                        | 121,802,392                 | 99.143181                |
| SOUTH CAROLINA | YORK           | 4,626                        | 121,807,018                 | 99.146947                |
| MISSISSIPPI    | JONES          | 4,620                        | 121,811,638                 | 99.150707                |

**TABLE D-1***1991 Defense Prime Contract Awards by County (Continued)**(Sorted by value of transaction)*

| State          | County            | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-------------------|------------------------------|-----------------------------|--------------------------|
| VIRGINIA       | ROANOKE           | 4,603                        | 121,816,241                 | 99.154454                |
| VIRGINIA       | SUFFOLK (CITY)    | 4,600                        | 121,820,841                 | 99.158198                |
| KANSAS         | BARTON            | 4,596                        | 121,825,437                 | 99.161939                |
| OKLAHOMA       | WAGONER           | 4,570                        | 121,830,007                 | 99.165659                |
| VIRGINIA       | NORTHAMPTON       | 4,553                        | 121,834,560                 | 99.169365                |
| OHIO           | MEDINA            | 4,551                        | 121,839,111                 | 99.173069                |
| NORTH CAROLINA | UNION             | 4,537                        | 121,843,648                 | 99.176762                |
| SOUTH CAROLINA | LEXINGTON         | 4,533                        | 121,848,181                 | 99.180452                |
| LOUISIANA      | TERREBONNE        | 4,484                        | 121,852,665                 | 99.184102                |
| VIRGINIA       | ISLE OF WIGHT     | 4,481                        | 121,857,146                 | 99.187749                |
| NORTH CAROLINA | WILSON            | 4,481                        | 121,861,627                 | 99.191397                |
| INDIANA        | PARKE             | 4,469                        | 121,866,096                 | 99.195034                |
| NORTH CAROLINA | HARNETT           | 4,442                        | 121,870,538                 | 99.198650                |
| VIRGINIA       | FRANKLIN          | 4,398                        | 121,874,936                 | 99.202230                |
| WASHINGTON     | BENTON            | 4,349                        | 121,879,285                 | 99.205770                |
| NORTH CAROLINA | PITT              | 4,199                        | 121,883,484                 | 99.209187                |
| LOUISIANA      | LINCOLN           | 4,186                        | 121,887,670                 | 99.212595                |
| IOWA           | POWESHIEK         | 4,181                        | 121,891,851                 | 99.215998                |
| WISCONSIN      | MARATHON          | 4,163                        | 121,896,014                 | 99.219387                |
| KANSAS         | CHEROKEE          | 4,158                        | 121,900,172                 | 99.222771                |
| FLORIDA        | OSCEOLA           | 4,156                        | 121,904,328                 | 99.226154                |
| WEST VIRGINIA  | KANAWHA           | 4,152                        | 121,908,480                 | 99.229533                |
| OHIO           | GUERNSEY          | 4,147                        | 121,912,627                 | 99.232909                |
| OHIO           | CLERMONT          | 4,142                        | 121,916,769                 | 99.236280                |
| GEORGIA        | MUSCOGEE          | 4,132                        | 121,920,901                 | 99.239644                |
| IOWA           | CERRO GORDO       | 4,068                        | 121,924,969                 | 99.242955                |
| TEXAS          | ANGELINA          | 4,064                        | 121,929,033                 | 99.246263                |
| NEW YORK       | CHEMUNG           | 4,064                        | 121,933,097                 | 99.249571                |
| MARYLAND       | DORCHESTER        | 4,062                        | 121,937,159                 | 99.252877                |
| NEW YORK       | HERKIMER          | 4,057                        | 121,941,216                 | 99.256179                |
| OHIO           | SHELBY            | 4,033                        | 121,945,249                 | 99.259462                |
| VIRGINIA       | WINCHESTER (CITY) | 4,030                        | 121,949,279                 | 99.262742                |
| ILLINOIS       | GRUNDY            | 4,012                        | 121,953,291                 | 99.266008                |
| NEW MEXICO     | SOCORRO           | 4,009                        | 121,957,300                 | 99.269271                |
| MISSISSIPPI    | JEFFERSON DAVIS   | 3,970                        | 121,961,270                 | 99.272503                |
| MISSOURI       | LEWIS             | 3,969                        | 121,965,239                 | 99.275733                |
| MICHIGAN       | GRAND TRAVERSE    | 3,953                        | 121,969,192                 | 99.278951                |
| FLORIDA        | MANATEE           | 3,940                        | 121,973,132                 | 99.282158                |
| MISSISSIPPI    | RANKIN            | 3,897                        | 121,977,029                 | 99.285330                |
| MICHIGAN       | MONROE            | 3,884                        | 121,980,913                 | 99.288492                |
| PENNSYLVANIA   | ADAMS             | 3,843                        | 121,984,756                 | 99.291620                |
| GEORGIA        | LAURENS           | 3,838                        | 121,988,594                 | 99.294744                |
| UTAH           | WASHINGTON        | 3,785                        | 121,992,379                 | 99.297824                |
| OHIO           | WOOD              | 3,753                        | 121,996,132                 | 99.300879                |
| ARIZONA        | COCONINO          | 3,749                        | 121,999,881                 | 99.303931                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
 (Sorted by value of transaction)

| State         | County        | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|---------------|---------------|------------------------------|-----------------------------|--------------------------|
| TEXAS         | POTTER        | 3,745                        | 122,003,626                 | 99.306979                |
| LOUISIANA     | NATCHITOCHES  | 3,737                        | 122,007,363                 | 99.310021                |
| IOWA          | HOWARD        | 3,723                        | 122,011,086                 | 99.313051                |
| ILLINOIS      | MONROE        | 3,717                        | 122,014,803                 | 99.316077                |
| OKLAHOMA      | LE FLORE      | 3,690                        | 122,018,493                 | 99.319080                |
| TEXAS         | DELTA         | 3,687                        | 122,022,180                 | 99.322082                |
| OREGON        | CLATSOP       | 3,682                        | 122,025,862                 | 99.325079                |
| MICHIGAN      | CHARLEVOIX    | 3,665                        | 122,029,527                 | 99.328062                |
| TENNESSEE     | RUTHERFORD    | 3,645                        | 122,033,172                 | 99.331029                |
| ALABAMA       | PIKE          | 3,633                        | 122,036,805                 | 99.333986                |
| GEORGIA       | MURRAY        | 3,629                        | 122,040,434                 | 99.336940                |
| OHIO          | SENECA        | 3,619                        | 122,044,053                 | 99.339885                |
| OKLAHOMA      | PONTOTOC      | 3,615                        | 122,047,668                 | 99.342828                |
| ILLINOIS      | CARROLL       | 3,609                        | 122,051,277                 | 99.345766                |
| WISCONSIN     | KENOSHA       | 3,606                        | 122,054,883                 | 99.348701                |
| GEORGIA       | FLOYD         | 3,583                        | 122,058,466                 | 99.351617                |
| MAINE         | HANCOCK       | 3,569                        | 122,062,035                 | 99.354522                |
| CALIFORNIA    | HUMBOLDT      | 3,541                        | 122,065,576                 | 99.357404                |
| WISCONSIN     | ST. CROIX     | 3,519                        | 122,069,095                 | 99.360269                |
| IOWA          | JOHNSON       | 3,505                        | 122,072,600                 | 99.363122                |
| MICHIGAN      | SANILAC       | 3,497                        | 122,076,097                 | 99.365968                |
| MARYLAND      | QUEEN ANNE'S  | 3,493                        | 122,079,590                 | 99.368811                |
| WEST VIRGINIA | CALHOUN       | 3,478                        | 122,083,068                 | 99.371642                |
| WASHINGTON    | GRANT         | 3,469                        | 122,086,537                 | 99.374466                |
| TEXAS         | GRAY          | 3,460                        | 122,089,997                 | 99.377282                |
| NEW JERSEY    | SALEM         | 3,427                        | 122,093,424                 | 99.380072                |
| TENNESSEE     | OBION         | 3,413                        | 122,096,837                 | 99.382850                |
| INDIANA       | LAKE          | 3,411                        | 122,100,248                 | 99.385626                |
| VIRGINIA      | WISE          | 3,408                        | 122,103,656                 | 99.388400                |
| NEBRASKA      | ADAMS         | 3,368                        | 122,107,024                 | 99.391142                |
| ALASKA        | KODIAK ISLAND | 3,340                        | 122,110,364                 | 99.393860                |
| TEXAS         | GRAYSON       | 3,330                        | 122,113,694                 | 99.396571                |
| OREGON        | TILLAMOOK     | 3,322                        | 122,117,016                 | 99.399275                |
| WASHINGTON    | GRAYS HARBOR  | 3,318                        | 122,120,334                 | 99.401976                |
| CALIFORNIA    | MADERA        | 3,303                        | 122,123,637                 | 99.404664                |
| VIRGINIA      | PAGE          | 3,292                        | 122,126,929                 | 99.407344                |
| MARYLAND      | ALLEGANY      | 3,290                        | 122,130,219                 | 99.410022                |
| NEW HAMPSHIRE | STRAFFORD     | 3,285                        | 122,133,504                 | 99.412696                |
| TENNESSEE     | BRADLEY       | 3,261                        | 122,136,765                 | 99.415350                |
| NEW JERSEY    | CAPE MAY      | 3,215                        | 122,139,980                 | 99.417967                |
| NEW YORK      | MONTGOMERY    | 3,213                        | 122,143,193                 | 99.420582                |
| VIRGINIA      | ROCKINGHAM    | 3,206                        | 122,146,399                 | 99.423192                |
| WEST VIRGINIA | CABELL        | 3,205                        | 122,149,604                 | 99.425801                |
| OHIO          | CRAWFORD      | 3,179                        | 122,152,783                 | 99.428388                |
| WISCONSIN     | WAUPACA       | 3,176                        | 122,155,959                 | 99.430973                |
| COLORADO      | ELBERT        | 3,173                        | 122,159,132                 | 99.433556                |

**TABLE D-1***1991 Defense Prime Contract Awards by County (Continued)**(Sorted by value of transaction)*

| State          | County              | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|---------------------|------------------------------|-----------------------------|--------------------------|
| NEW YORK       | WASHINGTON          | 3,172                        | 122,162,304                 | 99.436138                |
| ILLINOIS       | LIVINGSTON          | 3,158                        | 122,165,462                 | 99.438708                |
| MICHIGAN       | MIDLAND             | 3,154                        | 122,168,616                 | 99.441276                |
| KANSAS         | ATCHISON            | 3,147                        | 122,171,763                 | 99.443837                |
| MICHIGAN       | BARRY               | 3,137                        | 122,174,900                 | 99.446391                |
| MISSISSIPPI    | PANOLA              | 3,114                        | 122,178,014                 | 99.448925                |
| SOUTH DAKOTA   | CORSON              | 3,102                        | 122,181,116                 | 99.451450                |
| ILLINOIS       | LA SALLE            | 3,102                        | 122,184,218                 | 99.453975                |
| GEORGIA        | CLINCH              | 3,085                        | 122,187,303                 | 99.456486                |
| MINNESOTA      | POLK                | 3,075                        | 122,190,378                 | 99.458989                |
| IDAHO          | JEROME              | 3,053                        | 122,193,431                 | 99.461474                |
| TEXAS          | MEDINA              | 3,037                        | 122,196,468                 | 99.463946                |
| VIRGINIA       | MARTINSVILLE (CITY) | 3,036                        | 122,199,504                 | 99.466417                |
| MAINE          | KENNEBEC            | 2,994                        | 122,202,498                 | 99.468855                |
| MISSISSIPPI    | LAFAYETTE           | 2,979                        | 122,205,477                 | 99.471279                |
| FLORIDA        | NASSAU              | 2,979                        | 122,208,456                 | 99.473704                |
| VERMONT        | RUTLAND             | 2,976                        | 122,211,432                 | 99.476126                |
| ALABAMA        | LIMESTONE           | 2,964                        | 122,214,396                 | 99.478539                |
| NEBRASKA       | HARLAN              | 2,960                        | 122,217,356                 | 99.480948                |
| MINNESOTA      | STEELE              | 2,959                        | 122,220,315                 | 99.483357                |
| NEW YORK       | RICHMOND            | 2,950                        | 122,223,265                 | 99.485758                |
| RHODE ISLAND   | BRISTOL             | 2,935                        | 122,226,200                 | 99.488147                |
| NEW YORK       | SARATOGA            | 2,923                        | 122,229,123                 | 99.490526                |
| MASSACHUSETTS  | FRANKLIN            | 2,916                        | 122,232,039                 | 99.492900                |
| OHIO           | WAYNE               | 2,899                        | 122,234,938                 | 99.495260                |
| TENNESSEE      | GRAINGER            | 2,897                        | 122,237,835                 | 99.497618                |
| WISCONSIN      | SHEBOYGAN           | 2,860                        | 122,240,695                 | 99.499946                |
| MISSOURI       | MONITEAU            | 2,860                        | 122,243,555                 | 99.502274                |
| WEST VIRGINIA  | MONONGALIA          | 2,854                        | 122,246,409                 | 99.504597                |
| LOUISIANA      | ST. MARTIN          | 2,844                        | 122,249,253                 | 99.506912                |
| TEXAS          | BROWN               | 2,836                        | 122,252,089                 | 99.509220                |
| TENNESSEE      | BLEDSE              | 2,835                        | 122,254,924                 | 99.511528                |
| VIRGINIA       | CAROLINE            | 2,827                        | 122,257,751                 | 99.513829                |
| WASHINGTON     | WALLA WALLA         | 2,815                        | 122,260,566                 | 99.516120                |
| KANSAS         | REPUBLIC            | 2,768                        | 122,263,334                 | 99.518373                |
| ALABAMA        | HOUSTON             | 2,753                        | 122,266,087                 | 99.520614                |
| PENNSYLVANIA   | WASHINGTON          | 2,740                        | 122,268,827                 | 99.522844                |
| ILLINOIS       | TAZEWELL            | 2,728                        | 122,271,555                 | 99.525065                |
| MINNESOTA      | MCLEOD              | 2,721                        | 122,274,276                 | 99.527279                |
| NORTH CAROLINA | MACON               | 2,685                        | 122,276,961                 | 99.529465                |
| ILLINOIS       | JEFFERSON           | 2,685                        | 122,279,646                 | 99.531650                |
| GEORGIA        | HART                | 2,684                        | 122,282,330                 | 99.533835                |
| WISCONSIN      | FOND DU LAC         | 2,671                        | 122,285,001                 | 99.536009                |
| OREGON         | MULTNOMAH           | 2,657                        | 122,287,658                 | 99.538172                |
| LOUISIANA      | LAFAYETTE           | 2,656                        | 122,290,314                 | 99.540334                |

**TABLE D-1***1991 Defense Prime Contract Awards by County (Continued)**(Sorted by value of transaction)*

| State          | County         | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|----------------|------------------------------|-----------------------------|--------------------------|
| KENTUCKY       | LAWRENCE       | 2,643                        | 122,292,957                 | 99.542485                |
| VIRGINIA       | ACCOMACK       | 2,635                        | 122,295,592                 | 99.544630                |
| NEW YORK       | ST. LAWRENCE   | 2,632                        | 122,298,224                 | 99.546772                |
| TENNESSEE      | WILLIAMSON     | 2,630                        | 122,300,854                 | 99.548913                |
| KENTUCKY       | DAVISS         | 2,622                        | 122,303,476                 | 99.551047                |
| LOUISIANA      | ST. JAMES      | 2,589                        | 122,306,065                 | 99.553155                |
| TEXAS          | ORANGE         | 2,572                        | 122,308,637                 | 99.555248                |
| TEXAS          | PALO PINTO     | 2,557                        | 122,311,194                 | 99.557330                |
| OREGON         | MORROW         | 2,551                        | 122,313,745                 | 99.559406                |
| KENTUCKY       | RUSSELL        | 2,540                        | 122,316,285                 | 99.561473                |
| MISSOURI       | NEW MADRID     | 2,534                        | 122,318,819                 | 99.563536                |
| ALASKA         | BETHEL         | 2,533                        | 122,321,352                 | 99.565598                |
| TEXAS          | JOHNSON        | 2,519                        | 122,323,871                 | 99.567648                |
| PENNSYLVANIA   | CLARION        | 2,502                        | 122,326,373                 | 99.569685                |
| INDIANA        | FRANKLIN       | 2,496                        | 122,328,869                 | 99.571716                |
| MISSISSIPPI    | ITAWAMBA       | 2,494                        | 122,331,363                 | 99.573746                |
| GEORGIA        | PULASKI        | 2,491                        | 122,333,854                 | 99.575774                |
| MICHIGAN       | HOUGHTON       | 2,489                        | 122,336,343                 | 99.577800                |
| OHIO           | VAN WERT       | 2,460                        | 122,338,803                 | 99.579802                |
| VIRGINIA       | RADFORD (CITY) | 2,459                        | 122,341,262                 | 99.581804                |
| MISSOURI       | FRANKLIN       | 2,441                        | 122,343,703                 | 99.583791                |
| ARKANSAS       | CALHOUN        | 2,439                        | 122,346,142                 | 99.585776                |
| VIRGINIA       | HENRICO        | 2,431                        | 122,348,573                 | 99.587755                |
| OHIO           | HARDIN         | 2,411                        | 122,350,984                 | 99.589717                |
| TENNESSEE      | LAWRENCE       | 2,407                        | 122,353,391                 | 99.591676                |
| ALABAMA        | COLBERT        | 2,382                        | 122,355,773                 | 99.593615                |
| IOWA           | APPANOOSE      | 2,372                        | 122,358,145                 | 99.595546                |
| PENNSYLVANIA   | MONTOUR        | 2,363                        | 122,360,508                 | 99.597469                |
| TEXAS          | BEE            | 2,349                        | 122,362,857                 | 99.599382                |
| MISSOURI       | DAVISS         | 2,348                        | 122,365,205                 | 99.601293                |
| CALIFORNIA     | SHASTA         | 2,334                        | 122,367,539                 | 99.603193                |
| ILLINOIS       | MORGAN         | 2,332                        | 122,369,871                 | 99.605091                |
| TENNESSEE      | MARSHALL       | 2,327                        | 122,372,198                 | 99.606985                |
| SOUTH CAROLINA | ANDERSON       | 2,319                        | 122,374,517                 | 99.608872                |
| INDIANA        | KOSCIUSKO      | 2,312                        | 122,376,829                 | 99.610754                |
| MICHIGAN       | ALPENA         | 2,302                        | 122,379,131                 | 99.612628                |
| NORTH DAKOTA   | STUTSMAN       | 2,290                        | 122,381,421                 | 99.614492                |
| SOUTH CAROLINA | SPARTANBURG    | 2,272                        | 122,383,693                 | 99.616341                |
| KENTUCKY       | LETCHER        | 2,259                        | 122,385,952                 | 99.618180                |
| MISSISSIPPI    | TATE           | 2,241                        | 122,388,193                 | 99.620004                |
| ARKANSAS       | UNION          | 2,235                        | 122,390,428                 | 99.621823                |
| TEXAS          | GILLESPIE      | 2,222                        | 122,392,650                 | 99.623632                |
| VIRGINIA       | EMPORIA (CITY) | 2,219                        | 122,394,869                 | 99.625438                |
| VIRGINIA       | BRUNSWICK      | 2,213                        | 122,397,082                 | 99.627240                |
| NORTH DAKOTA   | CAVALIER       | 2,213                        | 122,399,295                 | 99.629041                |
| NEW HAMPSHIRE  | CHESHIRE       | 2,204                        | 122,401,499                 | 99.630835                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)

(Sorted by value of transaction)

| State          | County            | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-------------------|------------------------------|-----------------------------|--------------------------|
| INDIANA        | MORGAN            | 2,203                        | 122,403,702                 | 99.632628                |
| ILLINOIS       | RANDOLPH          | 2,203                        | 122,405,905                 | 99.634421                |
| WASHINGTON     | COWLITZ           | 2,194                        | 122,408,099                 | 99.636207                |
| WASHINGTON     | CHELAN            | 2,193                        | 122,410,292                 | 99.637992                |
| ALASKA         | MATANUSKA-SUSITNA | 2,166                        | 122,412,458                 | 99.639755                |
| VIRGINIA       | PATRICK           | 2,154                        | 122,414,612                 | 99.641508                |
| KENTUCKY       | GRAVES            | 2,150                        | 122,416,762                 | 99.643258                |
| ILLINOIS       | CASS              | 2,139                        | 122,418,901                 | 99.644999                |
| WASHINGTON     | WHITMAN           | 2,135                        | 122,421,036                 | 99.646737                |
| INDIANA        | MADISON           | 2,131                        | 122,423,167                 | 99.648472                |
| NEW HAMPSHIRE  | MERRIMACK         | 2,110                        | 122,425,277                 | 99.650189                |
| VIRGINIA       | MECKLENBURG       | 2,106                        | 122,427,383                 | 99.651904                |
| MICHIGAN       | INGHAM            | 2,093                        | 122,429,476                 | 99.653607                |
| INDIANA        | SHELBY            | 2,093                        | 122,431,569                 | 99.655311                |
| TENNESSEE      | PUTNAM            | 2,088                        | 122,433,657                 | 99.657010                |
| KANSAS         | SHAWNEE           | 2,065                        | 122,435,722                 | 99.658691                |
| OHIO           | ERIE              | 2,061                        | 122,437,783                 | 99.660369                |
| MISSISSIPPI    | BOLIVAR           | 2,056                        | 122,439,839                 | 99.662042                |
| TENNESSEE      | MCMINN            | 2,048                        | 122,441,887                 | 99.663709                |
| NEW MEXICO     | CHAVES            | 2,037                        | 122,443,924                 | 99.665367                |
| NEW YORK       | DELAWARE          | 2,031                        | 122,445,955                 | 99.667021                |
| WISCONSIN      | JEFFERSON         | 2,022                        | 122,447,977                 | 99.668666                |
| ARKANSAS       | DALLAS            | 2,016                        | 122,449,993                 | 99.670307                |
| MINNESOTA      | WASHINGTON        | 2,009                        | 122,452,002                 | 99.671943                |
| ARKANSAS       | CHICOT            | 2,004                        | 122,454,006                 | 99.673574                |
| WISCONSIN      | BUFFALO           | 1,999                        | 122,456,005                 | 99.675201                |
| ARKANSAS       | CARROLL           | 1,999                        | 122,458,004                 | 99.676828                |
| ARKANSAS       | PIKE              | 1,995                        | 122,459,999                 | 99.678452                |
| ARIZONA        | YAVAPAI           | 1,994                        | 122,461,993                 | 99.680075                |
| OKLAHOMA       | OKMULGEE          | 1,992                        | 122,463,985                 | 99.681696                |
| NORTH CAROLINA | YANCEY            | 1,970                        | 122,465,955                 | 99.683300                |
| NEW YORK       | GREENE            | 1,968                        | 122,467,923                 | 99.684902                |
| MISSOURI       | LIVINGSTON        | 1,967                        | 122,469,890                 | 99.686503                |
| KANSAS         | SALINE            | 1,953                        | 122,471,843                 | 99.688093                |
| INDIANA        | DELAWARE          | 1,949                        | 122,473,792                 | 99.689679                |
| LOUISIANA      | OUACHITA          | 1,932                        | 122,475,724                 | 99.691252                |
| IDAHO          | BONNEVILLE        | 1,931                        | 122,477,655                 | 99.692823                |
| TEXAS          | SAN PATRICIO      | 1,925                        | 122,479,580                 | 99.694390                |
| KENTUCKY       | JOHNSON           | 1,921                        | 122,481,501                 | 99.695954                |
| IOWA           | CLAYTON           | 1,920                        | 122,483,421                 | 99.697517                |
| GEORGIA        | CARROLL           | 1,910                        | 122,485,331                 | 99.699071                |
| SOUTH CAROLINA | PICKENS           | 1,907                        | 122,487,238                 | 99.700624                |
| INDIANA        | MONTGOMERY        | 1,900                        | 122,489,138                 | 99.702170                |
| OREGON         | KLAMATH           | 1,899                        | 122,491,037                 | 99.703716                |
| WASHINGTON     | DOUGLAS           | 1,887                        | 122,492,924                 | 99.705252                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
(Sorted by value of transaction)

| State          | County       | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|--------------|------------------------------|-----------------------------|--------------------------|
| ALABAMA        | CHILTON      | 1,872                        | 122,494,796                 | 99.706776                |
| KENTUCKY       | FULTON       | 1,862                        | 122,496,658                 | 99.708291                |
| SOUTH CAROLINA | COLLETON     | 1,860                        | 122,498,518                 | 99.709805                |
| KANSAS         | LYON         | 1,853                        | 122,500,371                 | 99.711313                |
| NEW YORK       | MADISON      | 1,840                        | 122,502,211                 | 99.712811                |
| OREGON         | MARION       | 1,821                        | 122,504,032                 | 99.714293                |
| TEXAS          | CORYELL      | 1,808                        | 122,505,840                 | 99.715765                |
| LOUISIANA      | IBERVILLE    | 1,808                        | 122,507,648                 | 99.717237                |
| SOUTH CAROLINA | FLORENCE     | 1,803                        | 122,509,451                 | 99.718704                |
| TEXAS          | FAYETTE      | 1,792                        | 122,511,243                 | 99.720163                |
| MICHIGAN       | ANTRIM       | 1,790                        | 122,513,033                 | 99.721620                |
| UTAH           | IRON         | 1,787                        | 122,514,820                 | 99.723074                |
| KANSAS         | BUTLER       | 1,785                        | 122,516,605                 | 99.724527                |
| ILLINOIS       | SANGAMON     | 1,783                        | 122,518,388                 | 99.725979                |
| VIRGINIA       | PITTSYLVANIA | 1,779                        | 122,520,167                 | 99.727427                |
| ILLINOIS       | IROQUOIS     | 1,777                        | 122,521,944                 | 99.728873                |
| FLORIDA        | GADSDEN      | 1,764                        | 122,523,708                 | 99.730309                |
| OKLAHOMA       | BLAINE       | 1,756                        | 122,525,464                 | 99.731738                |
| MISSOURI       | PEMISCOT     | 1,751                        | 122,527,215                 | 99.733164                |
| GEORGIA        | BARTOW       | 1,749                        | 122,528,964                 | 99.734587                |
| GEORGIA        | HARRIS       | 1,747                        | 122,530,711                 | 99.736009                |
| WEST VIRGINIA  | PENDLETON    | 1,738                        | 122,532,449                 | 99.737424                |
| PENNSYLVANIA   | INDIANA      | 1,735                        | 122,534,184                 | 99.738836                |
| VIRGINIA       | HANOVER      | 1,732                        | 122,535,916                 | 99.740246                |
| PENNSYLVANIA   | JUNIATA      | 1,731                        | 122,537,647                 | 99.741655                |
| INDIANA        | HUNTINGTON   | 1,721                        | 122,539,368                 | 99.743056                |
| GEORGIA        | BURKE        | 1,718                        | 122,541,086                 | 99.744454                |
| TEXAS          | COOKE        | 1,713                        | 122,542,799                 | 99.745848                |
| SOUTH CAROLINA | MCCORMICK    | 1,711                        | 122,544,510                 | 99.747241                |
| KENTUCKY       | LAUREL       | 1,711                        | 122,546,221                 | 99.748634                |
| MICHIGAN       | GENESEE      | 1,702                        | 122,547,923                 | 99.750019                |
| SOUTH CAROLINA | BAMBERG      | 1,695                        | 122,549,618                 | 99.751399                |
| GEORGIA        | ELBERT       | 1,693                        | 122,551,311                 | 99.752777                |
| MICHIGAN       | MONTCALM     | 1,692                        | 122,553,003                 | 99.754154                |
| INDIANA        | WAYNE        | 1,686                        | 122,554,689                 | 99.755527                |
| KANSAS         | HARVEY       | 1,681                        | 122,556,370                 | 99.756895                |
| ILLINOIS       | HENDERSON    | 1,671                        | 122,558,041                 | 99.758255                |
| TENNESSEE      | DE KALB      | 1,662                        | 122,559,703                 | 99.759608                |
| MISSISSIPPI    | FORREST      | 1,658                        | 122,561,361                 | 99.760957                |
| ILLINOIS       | MERCER       | 1,656                        | 122,563,017                 | 99.762305                |
| MISSOURI       | BUCHANAN     | 1,646                        | 122,564,663                 | 99.763645                |
| MAINE          | WASHINGTON   | 1,646                        | 122,566,309                 | 99.764985                |
| WISCONSIN      | GREEN        | 1,643                        | 122,567,952                 | 99.766322                |
| GEORGIA        | LIBERTY      | 1,643                        | 122,569,595                 | 99.767660                |
| COLORADO       | DELTA        | 1,633                        | 122,571,228                 | 99.768989                |
| MINNESOTA      | WINONA       | 1,625                        | 122,572,853                 | 99.770311                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
(Sorted by value of transaction)

| State          | County           | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|------------------|------------------------------|-----------------------------|--------------------------|
| TENNESSEE      | SCOTT            | 1,622                        | 122,574,475                 | 99.771632                |
| MICHIGAN       | ST. JOSEPH       | 1,601                        | 122,576,076                 | 99.772935                |
| NEW JERSEY     | ATLANTIC         | 1,588                        | 122,577,664                 | 99.774227                |
| MISSOURI       | BENTON           | 1,584                        | 122,579,248                 | 99.775517                |
| TENNESSEE      | CROCKETT         | 1,569                        | 122,580,817                 | 99.776794                |
| NEW YORK       | CORTLAND         | 1,569                        | 122,582,386                 | 99.778071                |
| MISSOURI       | BARRY            | 1,567                        | 122,583,953                 | 99.779346                |
| GEORGIA        | CLARKE           | 1,565                        | 122,585,518                 | 99.780620                |
| VIRGINIA       | LEXINGTON (CITY) | 1,561                        | 122,587,079                 | 99.781891                |
| IDAHO          | BONNER           | 1,552                        | 122,588,631                 | 99.783154                |
| ALABAMA        | BALDWIN          | 1,551                        | 122,590,182                 | 99.784417                |
| MISSOURI       | JEFFERSON        | 1,550                        | 122,591,732                 | 99.785678                |
| KENTUCKY       | HARDIN           | 1,550                        | 122,593,282                 | 99.786940                |
| TEXAS          | VICTORIA         | 1,549                        | 122,594,831                 | 99.788201                |
| NORTH CAROLINA | IREDELL          | 1,538                        | 122,596,369                 | 99.789453                |
| ILLINOIS       | STEPHENSON       | 1,524                        | 122,597,893                 | 99.790693                |
| TEXAS          | ANDERSON         | 1,517                        | 122,599,410                 | 99.791928                |
| SOUTH CAROLINA | GEORGETOWN       | 1,517                        | 122,600,927                 | 99.793163                |
| MICHIGAN       | LENAAWEE         | 1,517                        | 122,602,444                 | 99.794398                |
| ARKANSAS       | LONOKE           | 1,512                        | 122,603,956                 | 99.795628                |
| LOUISIANA      | WASHINGTON       | 1,511                        | 122,605,467                 | 99.796858                |
| ALABAMA        | CHAMBERS         | 1,509                        | 122,606,976                 | 99.798086                |
| ARKANSAS       | CRITTENDEN       | 1,504                        | 122,608,480                 | 99.799311                |
| OREGON         | SHERMAN          | 1,503                        | 122,609,983                 | 99.800534                |
| CALIFORNIA     | BUTTE            | 1,502                        | 122,611,485                 | 99.801757                |
| INDIANA        | JEFFERSON        | 1,500                        | 122,612,985                 | 99.802978                |
| MISSISSIPPI    | ALCORN           | 1,497                        | 122,614,482                 | 99.804196                |
| NORTH CAROLINA | NASH             | 1,489                        | 122,615,971                 | 99.805408                |
| MISSOURI       | MARION           | 1,481                        | 122,617,452                 | 99.806614                |
| NEW YORK       | COLUMBIA         | 1,471                        | 122,618,923                 | 99.807811                |
| FLORIDA        | CITRUS           | 1,466                        | 122,620,389                 | 99.809004                |
| KANSAS         | OSBORNE          | 1,463                        | 122,621,852                 | 99.810195                |
| LOUISIANA      | AVOYELLES        | 1,461                        | 122,623,313                 | 99.811384                |
| ILLINOIS       | JACKSON          | 1,455                        | 122,624,768                 | 99.812569                |
| MISSOURI       | TANEY            | 1,454                        | 122,626,222                 | 99.813752                |
| KANSAS         | LINN             | 1,454                        | 122,627,676                 | 99.814936                |
| FLORIDA        | ST. LUCIE        | 1,446                        | 122,629,122                 | 99.816113                |
| TEXAS          | KING             | 1,441                        | 122,630,563                 | 99.817285                |
| VIRGINIA       | SOUTHAMPTON      | 1,438                        | 122,632,001                 | 99.818456                |
| TENNESSEE      | ROBERTSON        | 1,430                        | 122,633,431                 | 99.819620                |
| KENTUCKY       | BOYD             | 1,423                        | 122,634,854                 | 99.820778                |
| OKLAHOMA       | STEPHENS         | 1,417                        | 122,636,271                 | 99.821932                |
| KENTUCKY       | GRANT            | 1,417                        | 122,637,688                 | 99.823085                |
| TENNESSEE      | MADISON          | 1,416                        | 122,639,104                 | 99.824238                |
| SOUTH DAKOTA   | HUGHES           | 1,415                        | 122,640,519                 | 99.825389                |



TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
(Sorted by value of transaction)

| State          | County               | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|----------------------|------------------------------|-----------------------------|--------------------------|
| TEXAS          | CALHOUN              | 1,401                        | 122,641,920                 | 99.826530                |
| OREGON         | LANE                 | 1,396                        | 122,643,316                 | 99.827666                |
| MICHIGAN       | CRAWFORD             | 1,396                        | 122,644,712                 | 99.828802                |
| VERMONT        | WASHINGTON           | 1,395                        | 122,646,107                 | 99.829938                |
| PENNSYLVANIA   | BRADFORD             | 1,391                        | 122,647,498                 | 99.831070                |
| VIRGINIA       | WYTHE                | 1,389                        | 122,648,887                 | 99.832201                |
| NEW YORK       | NEW YORK             | 1,368                        | 122,650,255                 | 99.833314                |
| OHIO           | PAULDING             | 1,366                        | 122,651,621                 | 99.834426                |
| OHIO           | WILLIAMS             | 1,366                        | 122,652,987                 | 99.835538                |
| MINNESOTA      | LAKE                 | 1,357                        | 122,654,344                 | 99.836642                |
| NORTH CAROLINA | CALDWELL             | 1,355                        | 122,655,699                 | 99.837745                |
| LOUISIANA      | ST. JOHN THE BAPTIST | 1,343                        | 122,657,042                 | 99.838839                |
| KANSAS         | MARSHALL             | 1,342                        | 122,658,384                 | 99.839931                |
| NEW MEXICO     | SANDOVAL             | 1,340                        | 122,659,724                 | 99.841022                |
| OHIO           | TUSCARAWAS           | 1,337                        | 122,661,061                 | 99.842110                |
| MISSOURI       | PHELPS               | 1,333                        | 122,662,394                 | 99.843195                |
| TENNESSEE      | SMITH                | 1,326                        | 122,663,720                 | 99.844274                |
| NORTH CAROLINA | LEE                  | 1,321                        | 122,665,041                 | 99.845349                |
| TENNESSEE      | HENRY                | 1,319                        | 122,666,360                 | 99.846423                |
| OHIO           | MERCER               | 1,316                        | 122,667,676                 | 99.847494                |
| OHIO           | CLINTON              | 1,312                        | 122,668,988                 | 99.848562                |
| ARKANSAS       | ST. FRANCIS          | 1,310                        | 122,670,298                 | 99.849628                |
| ARKANSAS       | BAXTER               | 1,307                        | 122,671,605                 | 99.850692                |
| KENTUCKY       | JACKSON              | 1,305                        | 122,672,910                 | 99.851755                |
| NEW YORK       | OSWEGO               | 1,303                        | 122,674,213                 | 99.852815                |
| ARKANSAS       | JOHNSON              | 1,292                        | 122,675,505                 | 99.853867                |
| MINNESOTA      | LE SUEUR             | 1,291                        | 122,676,796                 | 99.854918                |
| PENNSYLVANIA   | HUNTINGDON           | 1,289                        | 122,678,085                 | 99.855967                |
| FLORIDA        | UNION                | 1,281                        | 122,679,366                 | 99.857010                |
| WISCONSIN      | CRAWFORD             | 1,275                        | 122,680,641                 | 99.858047                |
| OHIO           | FULTON               | 1,274                        | 122,681,915                 | 99.859084                |
| VIRGINIA       | COVINGTON (CITY)     | 1,273                        | 122,683,188                 | 99.860121                |
| NORTH CAROLINA | JOHNSTON             | 1,257                        | 122,684,445                 | 99.861144                |
| INDIANA        | PORTER               | 1,257                        | 122,685,702                 | 99.862167                |
| NORTH CAROLINA | ALLEGHANY            | 1,252                        | 122,686,954                 | 99.863186                |
| SOUTH CAROLINA | DARLINGTON           | 1,251                        | 122,688,205                 | 99.864204                |
| NEW MEXICO     | GUADALUPE            | 1,244                        | 122,689,449                 | 99.865217                |
| SOUTH CAROLINA | ALLENDAL             | 1,240                        | 122,690,689                 | 99.866226                |
| LOUISIANA      | CAMERON              | 1,240                        | 122,691,929                 | 99.867235                |
| MICHIGAN       | IRON                 | 1,234                        | 122,693,163                 | 99.868240                |
| WISCONSIN      | DODGE                | 1,231                        | 122,694,394                 | 99.869242                |
| KANSAS         | MCPHERSON            | 1,230                        | 122,695,624                 | 99.870243                |
| MISSISSIPPI    | PERRY                | 1,226                        | 122,696,850                 | 99.871241                |
| TEXAS          | ELLIS                | 1,224                        | 122,698,074                 | 99.872237                |
| TEXAS          | MATAGORDA            | 1,203                        | 122,699,277                 | 99.873216                |
| ARKANSAS       | LEE                  | 1,202                        | 122,700,479                 | 99.874195                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)

(Sorted by value of transaction)

| State          | County         | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|----------------|------------------------------|-----------------------------|--------------------------|
| NEBRASKA       | WASHINGTON     | 1,195                        | 122,701,674                 | 99.875168                |
| IDAHO          | CANYON         | 1,185                        | 122,702,859                 | 99.876132                |
| ILLINOIS       | EDWARDS        | 1,176                        | 122,704,035                 | 99.877089                |
| IOWA           | MARION         | 1,169                        | 122,705,204                 | 99.878041                |
| VERMONT        | WINDSOR        | 1,167                        | 122,706,371                 | 99.878991                |
| IOWA           | FRANKLIN       | 1,165                        | 122,707,536                 | 99.879939                |
| CALIFORNIA     | MONO           | 1,163                        | 122,708,699                 | 99.880886                |
| ARKANSAS       | MILLER         | 1,163                        | 122,709,862                 | 99.881832                |
| NEVADA         | DOUGLAS        | 1,142                        | 122,711,004                 | 99.882762                |
| VIRGINIA       | ALBEMARLE      | 1,139                        | 122,712,143                 | 99.883689                |
| ARKANSAS       | YELL           | 1,132                        | 122,713,275                 | 99.884610                |
| IOWA           | POCAHONTAS     | 1,128                        | 122,714,403                 | 99.885529                |
| TENNESSEE      | BLOUNT         | 1,125                        | 122,715,528                 | 99.886444                |
| MINNESOTA      | CROW WING      | 1,124                        | 122,716,652                 | 99.887359                |
| FLORIDA        | HIGHLANDS      | 1,124                        | 122,717,776                 | 99.888274                |
| TEXAS          | CHEROKEE       | 1,123                        | 122,718,899                 | 99.889188                |
| PENNSYLVANIA   | NORTHUMBERLAND | 1,118                        | 122,720,017                 | 99.890098                |
| IOWA           | BREMER         | 1,117                        | 122,721,134                 | 99.891007                |
| NORTH DAKOTA   | DIVIDE         | 1,115                        | 122,722,249                 | 99.891915                |
| KANSAS         | WICHITA        | 1,108                        | 122,723,357                 | 99.892817                |
| NEW MEXICO     | SANTA FE       | 1,105                        | 122,724,462                 | 99.893716                |
| VIRGINIA       | BRISTOL (CITY) | 1,095                        | 122,725,557                 | 99.894607                |
| KENTUCKY       | MUHLBERG       | 1,093                        | 122,726,650                 | 99.895497                |
| SOUTH CAROLINA | ORANGEBURG     | 1,086                        | 122,727,736                 | 99.896381                |
| CALIFORNIA     | GLENN          | 1,085                        | 122,728,821                 | 99.897264                |
| NORTH CAROLINA | PASQUOTANK     | 1,083                        | 122,729,904                 | 99.898146                |
| TENNESSEE      | CLAY           | 1,082                        | 122,730,986                 | 99.899027                |
| OHIO           | SANDUSKY       | 1,082                        | 122,732,068                 | 99.899907                |
| MISSOURI       | BUTLER         | 1,078                        | 122,733,146                 | 99.900785                |
| TEXAS          | WHARTON        | 1,077                        | 122,734,223                 | 99.901661                |
| WISCONSIN      | COLUMBIA       | 1,073                        | 122,735,296                 | 99.902535                |
| NEW YORK       | CATTARAUGUS    | 1,070                        | 122,736,366                 | 99.903406                |
| LOUISIANA      | CATAHOULA      | 1,069                        | 122,737,435                 | 99.904276                |
| CALIFORNIA     | CALAVERAS      | 1,066                        | 122,738,501                 | 99.905143                |
| FLORIDA        | FRANKLIN       | 1,063                        | 122,739,564                 | 99.906009                |
| VIRGINIA       | NORTON (CITY)  | 1,062                        | 122,740,626                 | 99.906873                |
| INDIANA        | FOUNTAIN       | 1,060                        | 122,741,686                 | 99.907736                |
| INDIANA        | GRANT          | 1,056                        | 122,742,742                 | 99.908596                |
| MISSISSIPPI    | GRENADA        | 1,055                        | 122,743,797                 | 99.909454                |
| ALABAMA        | MACON          | 1,055                        | 122,744,852                 | 99.910313                |
| ALABAMA        | WALKER         | 1,052                        | 122,745,904                 | 99.911169                |
| INDIANA        | FLOYD          | 1,042                        | 122,746,946                 | 99.912017                |
| OKLAHOMA       | WASHITA        | 1,041                        | 122,747,987                 | 99.912865                |
| TEXAS          | GUADALUPE      | 1,040                        | 122,749,027                 | 99.913711                |
| MICHIGAN       | ONTONAGON      | 1,040                        | 122,750,067                 | 99.914558                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)

(Sorted by value of transaction)

| State          | County            | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-------------------|------------------------------|-----------------------------|--------------------------|
| TEXAS          | HOUSTON           | 1,038                        | 122,751,105                 | 99.915403                |
| ILLINOIS       | WHITESIDE         | 1,038                        | 122,752,143                 | 99.916248                |
| MISSISSIPPI    | DE SOTO           | 1,035                        | 122,753,178                 | 99.917090                |
| WISCONSIN      | MANITOWOC         | 1,028                        | 122,754,206                 | 99.917927                |
| MICHIGAN       | SHIAWASSEE        | 1,022                        | 122,755,228                 | 99.918759                |
| ALABAMA        | LAMAR             | 1,022                        | 122,756,250                 | 99.919591                |
| TENNESSEE      | CARTER            | 1,021                        | 122,757,271                 | 99.920422                |
| ALASKA         | KETCHIKAN GATEWAY | 1,019                        | 122,758,290                 | 99.921251                |
| OHIO           | LOGAN             | 1,014                        | 122,759,304                 | 99.922076                |
| UTAH           | CARBON            | 1,010                        | 122,760,314                 | 99.922899                |
| MISSISSIPPI    | MARSHALL          | 1,006                        | 122,761,320                 | 99.923717                |
| INDIANA        | MARSHALL          | 1,001                        | 122,762,321                 | 99.924532                |
| PENNSYLVANIA   | FULTON            | 996                          | 122,763,317                 | 99.925343                |
| LOUISIANA      | FRANKLIN          | 994                          | 122,764,311                 | 99.926152                |
| TEXAS          | RUSK              | 992                          | 122,765,303                 | 99.926959                |
| NEW YORK       | WARREN            | 990                          | 122,766,293                 | 99.927765                |
| KENTUCKY       | KENTON            | 990                          | 122,767,283                 | 99.928571                |
| NEBRASKA       | DAWSON            | 988                          | 122,768,271                 | 99.929375                |
| ARKANSAS       | FAULKNER          | 988                          | 122,769,259                 | 99.930180                |
| TEXAS          | HEMPHILL          | 980                          | 122,770,239                 | 99.930977                |
| NEW YORK       | SCHOHARIE         | 978                          | 122,771,217                 | 99.931773                |
| ARKANSAS       | CLEBURNE          | 978                          | 122,772,195                 | 99.932569                |
| WISCONSIN      | TREMPEALEAU       | 973                          | 122,773,168                 | 99.933361                |
| NEBRASKA       | SAUNDERS          | 970                          | 122,774,138                 | 99.934151                |
| MICHIGAN       | OCEANA            | 966                          | 122,775,104                 | 99.934937                |
| VIRGINIA       | SALEM (CITY)      | 964                          | 122,776,068                 | 99.935722                |
| WISCONSIN      | DOUGLAS           | 961                          | 122,777,029                 | 99.936504                |
| ALASKA         | NOME              | 958                          | 122,777,987                 | 99.937284                |
| VIRGINIA       | AUGUSTA           | 957                          | 122,778,944                 | 99.938063                |
| FLORIDA        | FLAGLER           | 955                          | 122,779,899                 | 99.938840                |
| TEXAS          | STEPHENS          | 950                          | 122,780,849                 | 99.939613                |
| KENTUCKY       | HOPKINS           | 948                          | 122,781,797                 | 99.940385                |
| INDIANA        | SULLIVAN          | 947                          | 122,782,744                 | 99.941156                |
| TEXAS          | LIMESTONE         | 946                          | 122,783,690                 | 99.941926                |
| NORTH DAKOTA   | TOWNER            | 938                          | 122,784,628                 | 99.942689                |
| TEXAS          | HILL              | 936                          | 122,785,564                 | 99.943451                |
| NEBRASKA       | PLATTE            | 926                          | 122,786,490                 | 99.944205                |
| MISSOURI       | CAMDEN            | 922                          | 122,787,412                 | 99.944955                |
| GEORGIA        | WHITFIELD         | 921                          | 122,788,333                 | 99.945705                |
| GEORGIA        | JEFF DAVIS        | 920                          | 122,789,253                 | 99.946454                |
| OREGON         | LINCOLN           | 912                          | 122,790,165                 | 99.947196                |
| IOWA           | STORY             | 909                          | 122,791,074                 | 99.947936                |
| SOUTH CAROLINA | SALUDA            | 908                          | 122,791,982                 | 99.948675                |
| OHIO           | MEIGS             | 905                          | 122,792,887                 | 99.949412                |
| ARIZONA        | MOHAVE            | 902                          | 122,793,789                 | 99.950146                |
| MICHIGAN       | OSCEOLA           | 901                          | 122,794,690                 | 99.950880                |

**TABLE D-1***1991 Defense Prime Contract Awards by County (Continued)**(Sorted by value of transaction)*

| State          | County             | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|--------------------|------------------------------|-----------------------------|--------------------------|
| ARKANSAS       | POINSETT           | 901                          | 122,795,591                 | 99.951613                |
| TENNESSEE      | SUMNER             | 900                          | 122,796,491                 | 99.952345                |
| WEST VIRGINIA  | WOOD               | 899                          | 122,797,390                 | 99.953077                |
| LOUISIANA      | ASSUMPTION         | 894                          | 122,798,284                 | 99.953805                |
| OKLAHOMA       | NOBLE              | 892                          | 122,799,176                 | 99.954531                |
| WEST VIRGINIA  | RANDOLPH           | 891                          | 122,800,067                 | 99.955256                |
| IDAHO          | MADISON            | 878                          | 122,800,945                 | 99.955971                |
| WEST VIRGINIA  | RITCHIE            | 877                          | 122,801,822                 | 99.956685                |
| OREGON         | UMATILLA           | 877                          | 122,802,699                 | 99.957399                |
| OREGON         | COOS               | 871                          | 122,803,570                 | 99.958108                |
| MISSISSIPPI    | UNION              | 868                          | 122,804,438                 | 99.958814                |
| NEVADA         | CARSON CITY (CITY) | 864                          | 122,805,302                 | 99.959517                |
| MISSOURI       | HENRY              | 864                          | 122,806,166                 | 99.960221                |
| NORTH CAROLINA | ANSON              | 861                          | 122,807,027                 | 99.960921                |
| WASHINGTON     | CLALLAM            | 857                          | 122,807,884                 | 99.961619                |
| VERMONT        | BENNINGTON         | 856                          | 122,808,740                 | 99.962316                |
| VIRGINIA       | WAYNESBORO (CITY)  | 855                          | 122,809,595                 | 99.963012                |
| MICHIGAN       | CHIPPEWA           | 852                          | 122,810,447                 | 99.963705                |
| INDIANA        | KNOX               | 852                          | 122,811,299                 | 99.964399                |
| OREGON         | DESCHUTES          | 848                          | 122,812,147                 | 99.965089                |
| MISSISSIPPI    | HOLMES             | 848                          | 122,812,995                 | 99.965779                |
| MICHIGAN       | TUSCOLA            | 847                          | 122,813,842                 | 99.966469                |
| PENNSYLVANIA   | BEDFORD            | 844                          | 122,814,686                 | 99.967156                |
| ALABAMA        | SUMTER             | 840                          | 122,815,526                 | 99.967839                |
| VERMONT        | GRAND ISLE         | 827                          | 122,816,353                 | 99.968512                |
| VIRGINIA       | NELSON             | 816                          | 122,817,169                 | 99.969177                |
| WEST VIRGINIA  | RALEIGH            | 806                          | 122,817,975                 | 99.969833                |
| MISSISSIPPI    | LEE                | 805                          | 122,818,780                 | 99.970488                |
| KANSAS         | WILSON             | 805                          | 122,819,585                 | 99.971143                |
| NEW YORK       | ORLEANS            | 802                          | 122,820,387                 | 99.971796                |
| PENNSYLVANIA   | COLUMBIA           | 800                          | 122,821,187                 | 99.972447                |
| MISSISSIPPI    | TALLAHATCHIE       | 796                          | 122,821,983                 | 99.973095                |
| MINNESOTA      | POPE               | 794                          | 122,822,777                 | 99.973741                |
| INDIANA        | STEUBEN            | 789                          | 122,823,566                 | 99.974384                |
| MINNESOTA      | PINE               | 788                          | 122,824,354                 | 99.975025                |
| ARIZONA        | GRAHAM             | 788                          | 122,825,142                 | 99.975666                |
| NEW YORK       | YATES              | 787                          | 122,825,929                 | 99.976307                |
| NORTH CAROLINA | SWAIN              | 786                          | 122,826,715                 | 99.976947                |
| VIRGINIA       | JAMES CITY         | 780                          | 122,827,495                 | 99.977582                |
| KENTUCKY       | NELSON             | 780                          | 122,828,275                 | 99.978217                |
| OKLAHOMA       | LOVE               | 778                          | 122,829,053                 | 99.978850                |
| ILLINOIS       | PIKE               | 768                          | 122,829,821                 | 99.979475                |
| GEORGIA        | PEACH              | 762                          | 122,830,583                 | 99.980095                |
| MISSOURI       | WAYNE              | 758                          | 122,831,341                 | 99.980712                |
| CALIFORNIA     | AMADOR             | 752                          | 122,832,093                 | 99.981324                |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
(Sorted by value of transaction)

| State          | County     | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|------------|------------------------------|-----------------------------|--------------------------|
| WASHINGTON     | STEVENS    | 742                          | 122,832,835                 | 99.981928                |
| VIRGINIA       | GRAYSON    | 742                          | 122,833,577                 | 99.982532                |
| ARKANSAS       | CRAIGHEAD  | 737                          | 122,834,314                 | 99.983132                |
| MISSOURI       | CRAWFORD   | 736                          | 122,835,050                 | 99.983731                |
| NEW YORK       | GENESEE    | 734                          | 122,835,784                 | 99.984329                |
| MISSOURI       | BOONE      | 725                          | 122,836,509                 | 99.984919                |
| WEST VIRGINIA  | NICHOLAS   | 720                          | 122,837,229                 | 99.985505                |
| FLORIDA        | HENDRY     | 715                          | 122,837,944                 | 99.986087                |
| VIRGINIA       | MATHEWS    | 713                          | 122,838,657                 | 99.986667                |
| ALASKA         | SITKA      | 713                          | 122,839,370                 | 99.987248                |
| LOUISIANA      | ST. LANDRY | 712                          | 122,840,082                 | 99.987827                |
| ILLINOIS       | FRANKLIN   | 706                          | 122,840,788                 | 99.988402                |
| TEXAS          | KAUFMAN    | 705                          | 122,841,493                 | 99.988976                |
| MICHIGAN       | MASON      | 704                          | 122,842,197                 | 99.989549                |
| SOUTH CAROLINA | GREENWOOD  | 703                          | 122,842,900                 | 99.990121                |
| ALASKA         | HAINES     | 703                          | 122,843,603                 | 99.990693                |
| TEXAS          | ARANSAS    | 700                          | 122,844,303                 | 99.991263                |
| KANSAS         | FRANKLIN   | 697                          | 122,845,000                 | 99.991830                |
| WASHINGTON     | PACIFIC    | 696                          | 122,845,696                 | 99.992397                |
| NEW YORK       | WYOMING    | 696                          | 122,846,392                 | 99.992963                |
| OHIO           | MARION     | 694                          | 122,847,086                 | 99.993528                |
| ALABAMA        | CLARKE     | 693                          | 122,847,779                 | 99.994092                |
| MINNESOTA      | AITKIN     | 690                          | 122,848,469                 | 99.994654                |
| SOUTH DAKOTA   | BUTTE      | 683                          | 122,849,152                 | 99.995210                |
| TENNESSEE      | GILES      | 682                          | 122,849,834                 | 99.995765                |
| ILLINOIS       | KENDALL    | 680                          | 122,850,514                 | 99.996318                |
| VIRGINIA       | GLOUCESTER | 674                          | 122,851,188                 | 99.996867                |
| TEXAS          | CHAMBERS   | 674                          | 122,851,862                 | 99.997416                |
| ILLINOIS       | HENRY      | 674                          | 122,852,536                 | 99.997964                |
| ALABAMA        | FAYETTE    | 674                          | 122,853,210                 | 99.998513                |
| MISSISSIPPI    | MONTGOMERY | 672                          | 122,853,882                 | 99.999060                |
| NEW YORK       | PUTNAM     | 669                          | 122,854,551                 | 99.999604                |
| ALABAMA        | MARION     | 669                          | 122,855,220                 | 100.000149               |
| ALABAMA        | WINSTON    | 663                          | 122,855,883                 | 100.000689               |
| NEW YORK       | DUTCHESS   | 661                          | 122,856,544                 | 100.001227               |
| NEW MEXICO     | EDDY       | 660                          | 122,857,204                 | 100.001764               |
| OKLAHOMA       | MAYES      | 659                          | 122,857,863                 | 100.002300               |
| GEORGIA        | GORDON     | 658                          | 122,858,521                 | 100.002836               |
| NORTH CAROLINA | RANDOLPH   | 657                          | 122,859,178                 | 100.003371               |
| GEORGIA        | EMANUEL    | 651                          | 122,859,829                 | 100.003901               |
| ILLINOIS       | PULASKI    | 650                          | 122,860,479                 | 100.004430               |
| KENTUCKY       | MCCRACKEN  | 648                          | 122,861,127                 | 100.004957               |
| WISCONSIN      | WASHINGTON | 645                          | 122,861,772                 | 100.005482               |
| NORTH CAROLINA | MOORE      | 641                          | 122,862,413                 | 100.006004               |
| INDIANA        | CLAY       | 641                          | 122,863,054                 | 100.006526               |
| FLORIDA        | JACKSON    | 635                          | 122,863,689                 | 100.007042               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County                     | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|----------------------------|------------------------------|-----------------------------|--------------------------|
| TEXAS          | LIBERTY                    | 633                          | 122,864,322                 | 100.007558               |
| TENNESSEE      | HAMBLEN                    | 632                          | 122,864,954                 | 100.008072               |
| GEORGIA        | ATKINSON                   | 631                          | 122,865,585                 | 100.008586               |
| NORTH DAKOTA   | MCLEAN                     | 629                          | 122,866,214                 | 100.009098               |
| OREGON         | WASCO                      | 625                          | 122,866,839                 | 100.009606               |
| ALABAMA        | WILCOX                     | 623                          | 122,867,462                 | 100.010114               |
| KENTUCKY       | LIVINGSTON                 | 619                          | 122,868,081                 | 100.010617               |
| INDIANA        | DUBOIS                     | 618                          | 122,868,699                 | 100.011120               |
| KENTUCKY       | BOYLE                      | 613                          | 122,869,312                 | 100.011619               |
| KENTUCKY       | MONROE                     | 613                          | 122,869,925                 | 100.012118               |
| ALASKA         | SKAGWAY-YAKUTAT-<br>ANGOON | 607                          | 122,870,532                 | 100.012612               |
| OKLAHOMA       | MAJOR                      | 605                          | 122,871,137                 | 100.013105               |
| MISSOURI       | PERRY                      | 605                          | 122,871,742                 | 100.013597               |
| VIRGINIA       | HENRY                      | 603                          | 122,872,345                 | 100.014088               |
| MISSISSIPPI    | WINSTON                    | 603                          | 122,872,948                 | 100.014579               |
| MINNESOTA      | BLUE EARTH                 | 601                          | 122,873,549                 | 100.015068               |
| ALASKA         | WADE HAMPTON               | 598                          | 122,874,147                 | 100.015555               |
| GEORGIA        | CATOOSA                    | 595                          | 122,874,742                 | 100.016039               |
| ARIZONA        | NAVAJO                     | 592                          | 122,875,334                 | 100.016521               |
| TENNESSEE      | HUMPHREYS                  | 585                          | 122,875,919                 | 100.016997               |
| KENTUCKY       | FLOYD                      | 577                          | 122,876,496                 | 100.017467               |
| PENNSYLVANIA   | POTTER                     | 575                          | 122,877,071                 | 100.017935               |
| NORTH CAROLINA | CATAWBA                    | 573                          | 122,877,644                 | 100.018401               |
| ARKANSAS       | WASHINGTON                 | 572                          | 122,878,216                 | 100.018867               |
| VIRGINIA       | FREDERICK                  | 571                          | 122,878,787                 | 100.019332               |
| MISSOURI       | MISSISSIPPI                | 571                          | 122,879,358                 | 100.019797               |
| MISSISSIPPI    | OKTIBBEHA                  | 569                          | 122,879,927                 | 100.020260               |
| WEST VIRGINIA  | WIRT                       | 556                          | 122,880,483                 | 100.020712               |
| PENNSYLVANIA   | MERCER                     | 555                          | 122,881,038                 | 100.021164               |
| NORTH CAROLINA | HENDERSON                  | 555                          | 122,881,593                 | 100.021616               |
| NEW YORK       | ALLEGANY                   | 551                          | 122,882,144                 | 100.022064               |
| IDAHO          | CASSIA                     | 547                          | 122,882,691                 | 100.022509               |
| PENNSYLVANIA   | UNION                      | 546                          | 122,883,237                 | 100.022954               |
| LOUISIANA      | IBERIA                     | 546                          | 122,883,783                 | 100.023398               |
| WEST VIRGINIA  | JEFFERSON                  | 541                          | 122,884,324                 | 100.023839               |
| ARKANSAS       | DREW                       | 534                          | 122,884,858                 | 100.024273               |
| MONTANA        | HILL                       | 530                          | 122,885,388                 | 100.024705               |
| WISCONSIN      | IOWA                       | 529                          | 122,885,917                 | 100.025135               |
| ILLINOIS       | SHELBY                     | 525                          | 122,886,442                 | 100.025563               |
| MONTANA        | GALLATIN                   | 518                          | 122,886,960                 | 100.025984               |
| TEXAS          | CALLAHAN                   | 516                          | 122,887,476                 | 100.026404               |
| MISSOURI       | PIKE                       | 516                          | 122,887,992                 | 100.026824               |
| LOUISIANA      | POINTE COUPEE              | 516                          | 122,888,508                 | 100.027244               |
| NEW MEXICO     | RIO ARRIBA                 | 511                          | 122,889,019                 | 100.027660               |
| WASHINGTON     | THURSTON                   | 510                          | 122,889,529                 | 100.028075               |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
(Sorted by value of transaction)

| State          | County          | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-----------------|------------------------------|-----------------------------|--------------------------|
| TEXAS          | COMAL           | 510                          | 122,890,039                 | 100.028490               |
| NEW MEXICO     | VALENCIA        | 509                          | 122,890,548                 | 100.028905               |
| ILLINOIS       | KNOX            | 508                          | 122,891,056                 | 100.029318               |
| ARKANSAS       | CLARK           | 507                          | 122,891,563                 | 100.029731               |
| KANSAS         | RENO            | 505                          | 122,892,068                 | 100.030142               |
| COLORADO       | LA PLATA        | 503                          | 122,892,571                 | 100.030551               |
| TENNESSEE      | BEDFORD         | 498                          | 122,893,069                 | 100.030957               |
| TEXAS          | HAYS            | 496                          | 122,893,565                 | 100.031361               |
| WEST VIRGINIA  | SUMMERS         | 495                          | 122,894,060                 | 100.031763               |
| TENNESSEE      | SEVIER          | 495                          | 122,894,555                 | 100.032166               |
| OHIO           | ATHENS          | 495                          | 122,895,050                 | 100.032569               |
| SOUTH DAKOTA   | DAVISON         | 490                          | 122,895,540                 | 100.032968               |
| MISSISSIPPI    | YAZOO           | 490                          | 122,896,030                 | 100.033367               |
| IDAHO          | BOUNDARY        | 484                          | 122,896,514                 | 100.033761               |
| ILLINOIS       | CLAY            | 483                          | 122,896,997                 | 100.034154               |
| INDIANA        | FAYETTE         | 482                          | 122,897,479                 | 100.034546               |
| WYOMING        | SWEETWATER      | 481                          | 122,897,960                 | 100.034938               |
| MONTANA        | YELLOWSTONE     | 481                          | 122,898,441                 | 100.035329               |
| LOUISIANA      | EAST CARROLL    | 481                          | 122,898,922                 | 100.035721               |
| LOUISIANA      | JEFFERSON DAVIS | 481                          | 122,899,403                 | 100.036112               |
| MISSISSIPPI    | WAYNE           | 479                          | 122,899,882                 | 100.036502               |
| OHIO           | SCIOTO          | 478                          | 122,900,360                 | 100.036891               |
| NORTH CAROLINA | PENDER          | 477                          | 122,900,837                 | 100.037280               |
| ALABAMA        | DE KALB         | 477                          | 122,901,314                 | 100.037668               |
| TEXAS          | BURLESON        | 475                          | 122,901,789                 | 100.038055               |
| IDAHO          | KOOTENAI        | 473                          | 122,902,262                 | 100.038440               |
| FLORIDA        | PUTNAM          | 472                          | 122,902,734                 | 100.038824               |
| MICHIGAN       | HURON           | 470                          | 122,903,204                 | 100.039206               |
| GEORGIA        | HABERSHAM       | 466                          | 122,903,670                 | 100.039586               |
| CALIFORNIA     | MENDOCINO       | 462                          | 122,904,132                 | 100.039962               |
| MARYLAND       | TALBOT          | 460                          | 122,904,592                 | 100.040336               |
| KENTUCKY       | HENDERSON       | 460                          | 122,905,052                 | 100.040711               |
| VIRGINIA       | SPOTSYLVANIA    | 458                          | 122,905,510                 | 100.041083               |
| GEORGIA        | JACKSON         | 457                          | 122,905,967                 | 100.041455               |
| VIRGINIA       | SCOTT           | 454                          | 122,906,421                 | 100.041825               |
| TEXAS          | COLORADO        | 450                          | 122,906,871                 | 100.042191               |
| TENNESSEE      | COCKE           | 449                          | 122,907,320                 | 100.042557               |
| WASHINGTON     | COLUMBIA        | 444                          | 122,907,764                 | 100.042918               |
| TENNESSEE      | CHEATHAM        | 431                          | 122,908,195                 | 100.043269               |
| LOUISIANA      | TANGIPAHOA      | 430                          | 122,908,625                 | 100.043619               |
| KANSAS         | POTTAWATOMIE    | 429                          | 122,909,054                 | 100.043968               |
| KENTUCKY       | PULASKI         | 425                          | 122,909,479                 | 100.044314               |
| COLORADO       | DOUGLAS         | 424                          | 122,909,903                 | 100.044659               |
| TEXAS          | FANNIN          | 421                          | 122,910,324                 | 100.045002               |
| NEVADA         | LYON            | 421                          | 122,910,745                 | 100.045344               |
| ILLINOIS       | COLES           | 421                          | 122,911,166                 | 100.045687               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County          | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-----------------|------------------------------|-----------------------------|--------------------------|
| GEORGIA        | JONES           | 421                          | 122,911,587                 | 100.046030               |
| MONTANA        | SILVER BOW      | 419                          | 122,912,006                 | 100.046371               |
| ILLINOIS       | CLINTON         | 418                          | 122,912,424                 | 100.046711               |
| TEXAS          | CASS            | 417                          | 122,912,841                 | 100.047051               |
| IOWA           | DELAWARE        | 417                          | 122,913,258                 | 100.047390               |
| INDIANA        | PERRY           | 417                          | 122,913,675                 | 100.047729               |
| SOUTH DAKOTA   | BROOKINGS       | 413                          | 122,914,088                 | 100.048066               |
| MISSOURI       | ADAIR           | 413                          | 122,914,501                 | 100.048402               |
| MICHIGAN       | ISABELLA        | 410                          | 122,914,911                 | 100.048735               |
| WYOMING        | SUBLETTE        | 406                          | 122,915,317                 | 100.049066               |
| MICHIGAN       | LAPEER          | 406                          | 122,915,723                 | 100.049396               |
| OKLAHOMA       | BEAVER          | 403                          | 122,916,126                 | 100.049724               |
| OHIO           | DEFIANCE        | 403                          | 122,916,529                 | 100.050052               |
| INDIANA        | GIBSON          | 403                          | 122,916,932                 | 100.050381               |
| VIRGINIA       | CULPEPER        | 402                          | 122,917,334                 | 100.050708               |
| ALABAMA        | WASHINGTON      | 401                          | 122,917,735                 | 100.051034               |
| PENNSYLVANIA   | MIFFLIN         | 400                          | 122,918,135                 | 100.051360               |
| NORTH DAKOTA   | SARGENT         | 399                          | 122,918,534                 | 100.051684               |
| TEXAS          | CALDWELL        | 396                          | 122,918,930                 | 100.052007               |
| OHIO           | DARKE           | 396                          | 122,919,326                 | 100.052329               |
| MARYLAND       | CAROLINE        | 396                          | 122,919,722                 | 100.052651               |
| TEXAS          | SCHLEICHER      | 394                          | 122,920,116                 | 100.052972               |
| OKLAHOMA       | CHEROKEE        | 394                          | 122,920,510                 | 100.053293               |
| KENTUCKY       | HARRISON        | 392                          | 122,920,902                 | 100.053612               |
| ARKANSAS       | SEVIER          | 392                          | 122,921,294                 | 100.053931               |
| ALASKA         | JUNEAU          | 391                          | 122,921,685                 | 100.054249               |
| NORTH CAROLINA | CHEROKEE        | 390                          | 122,922,075                 | 100.054567               |
| ARKANSAS       | MADISON         | 389                          | 122,922,464                 | 100.054883               |
| MINNESOTA      | WRIGHT          | 384                          | 122,922,848                 | 100.055196               |
| OKLAHOMA       | MCINTOSH        | 382                          | 122,923,230                 | 100.055507               |
| OREGON         | UNION           | 380                          | 122,923,610                 | 100.055816               |
| TEXAS          | DUVAL           | 377                          | 122,923,987                 | 100.056123               |
| ILLINOIS       | WABASH          | 375                          | 122,924,362                 | 100.056428               |
| IDAHO          | NEZ PERCE       | 371                          | 122,924,733                 | 100.056730               |
| OHIO           | ASHTABULA       | 369                          | 122,925,102                 | 100.057031               |
| KENTUCKY       | BARREN          | 369                          | 122,925,471                 | 100.057331               |
| ARKANSAS       | CRAWFORD        | 369                          | 122,925,840                 | 100.057631               |
| OKLAHOMA       | ROGERS          | 367                          | 122,926,207                 | 100.057930               |
| WISCONSIN      | PEPIN           | 366                          | 122,926,573                 | 100.058228               |
| MONTANA        | LEWIS AND CLARK | 365                          | 122,926,938                 | 100.058525               |
| WISCONSIN      | WASHBURN        | 364                          | 122,927,302                 | 100.058821               |
| KENTUCKY       | CAMPBELL        | 364                          | 122,927,666                 | 100.059118               |
| VIRGINIA       | STAFFORD        | 361                          | 122,928,027                 | 100.059411               |
| MARYLAND       | GARRETT         | 359                          | 122,928,386                 | 100.059704               |
| TEXAS          | WALLER          | 357                          | 122,928,743                 | 100.059994               |



TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
(Sorted by value of transaction)

| State          | County       | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|--------------|------------------------------|-----------------------------|--------------------------|
| OREGON         | LINN         | 356                          | 122,929,099                 | 100.060284               |
| ILLINOIS       | STARK        | 356                          | 122,929,455                 | 100.060574               |
| ARKANSAS       | SALINE       | 356                          | 122,929,811                 | 100.060864               |
| CALIFORNIA     | EL DORADO    | 353                          | 122,930,164                 | 100.061151               |
| SOUTH DAKOTA   | JONES        | 352                          | 122,930,516                 | 100.061437               |
| MAINE          | ANDROSCOGGIN | 352                          | 122,930,868                 | 100.061724               |
| ARKANSAS       | STONE        | 352                          | 122,931,220                 | 100.062010               |
| LOUISIANA      | EVANGELINE   | 351                          | 122,931,571                 | 100.062296               |
| ARKANSAS       | LITTLE RIVER | 351                          | 122,931,922                 | 100.062582               |
| ILLINOIS       | BROWN        | 350                          | 122,932,272                 | 100.062867               |
| OREGON         | JACKSON      | 349                          | 122,932,621                 | 100.063151               |
| NORTH CAROLINA | ROWAN        | 349                          | 122,932,970                 | 100.063435               |
| INDIANA        | TIPTON       | 344                          | 122,933,314                 | 100.063715               |
| MISSOURI       | OZARK        | 343                          | 122,933,657                 | 100.063994               |
| WISCONSIN      | OCONTO       | 342                          | 122,933,999                 | 100.064272               |
| ARKANSAS       | JACKSON      | 342                          | 122,934,341                 | 100.064551               |
| OHIO           | BELMONT      | 341                          | 122,934,682                 | 100.064828               |
| GEORGIA        | PICKENS      | 340                          | 122,935,022                 | 100.065105               |
| UTAH           | MILLARD      | 339                          | 122,935,361                 | 100.065381               |
| GEORGIA        | ROCKDALE     | 339                          | 122,935,700                 | 100.065657               |
| TEXAS          | JACK         | 337                          | 122,936,037                 | 100.065931               |
| PENNSYLVANIA   | WAYNE        | 337                          | 122,936,374                 | 100.066206               |
| WISCONSIN      | WOOD         | 335                          | 122,936,709                 | 100.066478               |
| NORTH DAKOTA   | STEELE       | 334                          | 122,937,043                 | 100.066750               |
| LOUISIANA      | ST. CHARLES  | 334                          | 122,937,377                 | 100.067022               |
| TEXAS          | ECTOR        | 333                          | 122,937,710                 | 100.067293               |
| VIRGINIA       | WASHINGTON   | 332                          | 122,938,042                 | 100.067563               |
| ALABAMA        | HENRY        | 331                          | 122,938,373                 | 100.067833               |
| ALABAMA        | COVINGTON    | 330                          | 122,938,703                 | 100.068101               |
| WISCONSIN      | GRANT        | 329                          | 122,939,032                 | 100.068369               |
| ARKANSAS       | DESHA        | 328                          | 122,939,360                 | 100.068636               |
| ALABAMA        | ELMORE       | 328                          | 122,939,688                 | 100.068903               |
| KANSAS         | NEOSHO       | 326                          | 122,940,014                 | 100.069169               |
| MISSISSIPPI    | CARROLL      | 325                          | 122,940,339                 | 100.069433               |
| MICHIGAN       | CHEBOYGAN    | 325                          | 122,940,664                 | 100.069698               |
| VIRGINIA       | GILES        | 324                          | 122,940,988                 | 100.069961               |
| NORTH DAKOTA   | BURLEIGH     | 324                          | 122,941,312                 | 100.070225               |
| MISSISSIPPI    | HUMPHREYS    | 324                          | 122,941,636                 | 100.070489               |
| OHIO           | KNOX         | 323                          | 122,941,959                 | 100.070752               |
| COLORADO       | PROWERS      | 322                          | 122,942,281                 | 100.071014               |
| CALIFORNIA     | MARIPOSA     | 322                          | 122,942,603                 | 100.071276               |
| KENTUCKY       | JESSAMINE    | 320                          | 122,942,923                 | 100.071536               |
| VIRGINIA       | ROCKBRIDGE   | 319                          | 122,943,242                 | 100.071796               |
| FLORIDA        | OKEECHOBEE   | 319                          | 122,943,561                 | 100.072056               |
| TENNESSEE      | FAYETTE      | 318                          | 122,943,879                 | 100.072314               |
| OREGON         | JEFFERSON    | 317                          | 122,944,196                 | 100.072573               |

**TABLE D-1***1991 Defense Prime Contract Awards by County (Continued)**(Sorted by value of transaction)*

| State          | County             | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|--------------------|------------------------------|-----------------------------|--------------------------|
| ILLINOIS       | SALINE             | 317                          | 122,944,513                 | 100.072831               |
| KENTUCKY       | GRAYSON            | 316                          | 122,944,829                 | 100.073088               |
| MINNESOTA      | STEARNS            | 314                          | 122,945,143                 | 100.073343               |
| ILLINOIS       | CHRISTIAN          | 314                          | 122,945,457                 | 100.073599               |
| INDIANA        | JOHNSON            | 310                          | 122,945,767                 | 100.073851               |
| OKLAHOMA       | PUSHMATAHA         | 308                          | 122,946,075                 | 100.074102               |
| VIRGINIA       | BUENA VISTA (CITY) | 307                          | 122,946,382                 | 100.074352               |
| NEW MEXICO     | SAN MIGUEL         | 306                          | 122,946,688                 | 100.074601               |
| MAINE          | SOMERSET           | 306                          | 122,946,994                 | 100.074850               |
| IOWA           | CLINTON            | 306                          | 122,947,300                 | 100.075099               |
| WYOMING        | ALBANY             | 303                          | 122,947,603                 | 100.075346               |
| WISCONSIN      | WALWORTH           | 301                          | 122,947,904                 | 100.075591               |
| MISSOURI       | PLATTE             | 301                          | 122,948,205                 | 100.075836               |
| IDAHO          | IDAHO              | 301                          | 122,948,506                 | 100.076081               |
| ALABAMA        | HALE               | 301                          | 122,948,807                 | 100.076326               |
| OKLAHOMA       | SEQUOYAH           | 297                          | 122,949,104                 | 100.076567               |
| UTAH           | UINTAH             | 296                          | 122,949,400                 | 100.076808               |
| ILLINOIS       | OGLE               | 296                          | 122,949,696                 | 100.077049               |
| WISCONSIN      | BARRON             | 294                          | 122,949,990                 | 100.077289               |
| ILLINOIS       | ALEXANDER          | 293                          | 122,950,283                 | 100.077527               |
| MICHIGAN       | LEELANAU           | 292                          | 122,950,575                 | 100.077765               |
| NEBRASKA       | RED WILLOW         | 291                          | 122,950,866                 | 100.078002               |
| MINNESOTA      | SHERBURNE          | 286                          | 122,951,152                 | 100.078234               |
| KANSAS         | JEFFERSON          | 284                          | 122,951,436                 | 100.078466               |
| ARKANSAS       | RANDOLPH           | 280                          | 122,951,716                 | 100.078694               |
| TEXAS          | MILAM              | 279                          | 122,951,995                 | 100.078921               |
| MICHIGAN       | BARAGA             | 279                          | 122,952,274                 | 100.079148               |
| TENNESSEE      | MONTGOMERY         | 278                          | 122,952,552                 | 100.079374               |
| SOUTH DAKOTA   | GREGORY            | 278                          | 122,952,830                 | 100.079600               |
| ILLINOIS       | PERRY              | 276                          | 122,953,106                 | 100.079825               |
| COLORADO       | OTERO              | 276                          | 122,953,382                 | 100.080050               |
| TEXAS          | ROCKWALL           | 275                          | 122,953,657                 | 100.080273               |
| OKLAHOMA       | WASHINGTON         | 275                          | 122,953,932                 | 100.080497               |
| ILLINOIS       | SCOTT              | 275                          | 122,954,207                 | 100.080721               |
| SOUTH DAKOTA   | PERKINS            | 272                          | 122,954,479                 | 100.080943               |
| WISCONSIN      | TAYLOR             | 271                          | 122,954,750                 | 100.081163               |
| TENNESSEE      | JACKSON            | 271                          | 122,955,021                 | 100.081384               |
| SOUTH CAROLINA | CHESTERFIELD       | 268                          | 122,955,289                 | 100.081602               |
| IOWA           | MAHASKA            | 265                          | 122,955,554                 | 100.081818               |
| NORTH CAROLINA | BLADEN             | 264                          | 122,955,818                 | 100.082032               |
| KANSAS         | ELLSWORTH          | 264                          | 122,956,082                 | 100.082247               |
| CALIFORNIA     | DEL NORTE          | 264                          | 122,956,346                 | 100.082462               |
| WASHINGTON     | KITTITAS           | 263                          | 122,956,609                 | 100.082676               |
| OHIO           | ADAMS              | 263                          | 122,956,872                 | 100.082890               |
| KANSAS         | MONTGOMERY         | 259                          | 122,957,131                 | 100.083101               |

**TABLE D-1***1991 Defense Prime Contract Awards by County (Continued)**(Sorted by value of transaction)*

| State          | County     | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|------------|------------------------------|-----------------------------|--------------------------|
| PENNSYLVANIA   | TIOGA      | 257                          | 122,957,388                 | 100.083310               |
| SOUTH DAKOTA   | BROWN      | 256                          | 122,957,644                 | 100.083519               |
| SOUTH DAKOTA   | BUFFALO    | 256                          | 122,957,900                 | 100.083727               |
| MISSISSIPPI    | MONROE     | 255                          | 122,958,155                 | 100.083935               |
| OREGON         | DOUGLAS    | 253                          | 122,958,408                 | 100.084141               |
| MICHIGAN       | CASS       | 252                          | 122,958,660                 | 100.084346               |
| TEXAS          | MCCULLOCH  | 251                          | 122,958,911                 | 100.084550               |
| MINNESOTA      | OTTER TAIL | 250                          | 122,959,161                 | 100.084754               |
| KANSAS         | CRAWFORD   | 248                          | 122,959,409                 | 100.084955               |
| COLORADO       | CHEYENNE   | 248                          | 122,959,657                 | 100.085157               |
| WYOMING        | FREMONT    | 247                          | 122,959,904                 | 100.085358               |
| KENTUCKY       | EDMONSON   | 247                          | 122,960,151                 | 100.085559               |
| FLORIDA        | WASHINGTON | 247                          | 122,960,398                 | 100.085760               |
| MISSOURI       | LAFAYETTE  | 246                          | 122,960,644                 | 100.085961               |
| VERMONT        | FRANKLIN   | 245                          | 122,960,889                 | 100.086160               |
| NEBRASKA       | CHEYENNE   | 244                          | 122,961,133                 | 100.086359               |
| ALABAMA        | BIBB       | 244                          | 122,961,377                 | 100.086557               |
| PENNSYLVANIA   | BLAIR      | 243                          | 122,961,620                 | 100.086755               |
| OREGON         | MALHEUR    | 242                          | 122,961,862                 | 100.086952               |
| GEORGIA        | APPLING    | 242                          | 122,962,104                 | 100.087149               |
| TEXAS          | MARION     | 241                          | 122,962,345                 | 100.087345               |
| MISSOURI       | GRUNDY     | 241                          | 122,962,586                 | 100.087541               |
| WYOMING        | PARK       | 240                          | 122,962,826                 | 100.087737               |
| TEXAS          | POLK       | 240                          | 122,963,066                 | 100.087932               |
| VIRGINIA       | CARROLL    | 238                          | 122,963,304                 | 100.088126               |
| MISSISSIPPI    | YALOBUSHA  | 237                          | 122,963,541                 | 100.088319               |
| KANSAS         | GREENWOOD  | 236                          | 122,963,777                 | 100.088511               |
| ALABAMA        | MARENGO    | 236                          | 122,964,013                 | 100.088703               |
| SOUTH CAROLINA | LEE        | 234                          | 122,964,247                 | 100.088893               |
| INDIANA        | JAY        | 233                          | 122,964,480                 | 100.089083               |
| NORTH CAROLINA | ASHE       | 231                          | 122,964,711                 | 100.089271               |
| MISSOURI       | STONE      | 230                          | 122,964,941                 | 100.089458               |
| WASHINGTON     | OKANOGAN   | 228                          | 122,965,169                 | 100.089644               |
| MISSOURI       | MACON      | 228                          | 122,965,397                 | 100.089829               |
| MISSOURI       | ST. CLAIR  | 227                          | 122,965,624                 | 100.090014               |
| TENNESSEE      | WARREN     | 224                          | 122,965,848                 | 100.090197               |
| GEORGIA        | WASHINGTON | 224                          | 122,966,072                 | 100.090379               |
| NORTH CAROLINA | MARTIN     | 222                          | 122,966,294                 | 100.090560               |
| NEW YORK       | LIVINGSTON | 222                          | 122,966,516                 | 100.090740               |
| NEW YORK       | SCHUYLER   | 222                          | 122,966,738                 | 100.090921               |
| OKLAHOMA       | MCCURTAIN  | 221                          | 122,966,959                 | 100.091101               |
| VIRGINIA       | GREENE     | 220                          | 122,967,179                 | 100.091280               |
| NEVADA         | ELKO       | 219                          | 122,967,398                 | 100.091458               |
| ILLINOIS       | MCDONOUGH  | 218                          | 122,967,616                 | 100.091636               |
| WEST VIRGINIA  | BRAXTON    | 216                          | 122,967,832                 | 100.091811               |
| TEXAS          | TYLER      | 216                          | 122,968,048                 | 100.091987               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County            | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-------------------|------------------------------|-----------------------------|--------------------------|
| TENNESSEE      | LINCOLN           | 215                          | 122,968,263                 | 100.092162               |
| TEXAS          | CLAY              | 214                          | 122,968,477                 | 100.092336               |
| MISSOURI       | RALLS             | 214                          | 122,968,691                 | 100.092511               |
| KENTUCKY       | TAYLOR            | 213                          | 122,968,904                 | 100.092684               |
| MINNESOTA      | LYON              | 211                          | 122,969,115                 | 100.092856               |
| VIRGINIA       | SHENANDOAH        | 210                          | 122,969,325                 | 100.093027               |
| KANSAS         | ELLIS             | 207                          | 122,969,532                 | 100.093195               |
| OKLAHOMA       | POTTAWATOMIE      | 206                          | 122,969,738                 | 100.093363               |
| IOWA           | LOUISA            | 206                          | 122,969,944                 | 100.093531               |
| SOUTH DAKOTA   | CHARLES MIX       | 202                          | 122,970,146                 | 100.093695               |
| SOUTH DAKOTA   | CLAY              | 200                          | 122,970,346                 | 100.093858               |
| NORTH CAROLINA | DAVIE             | 198                          | 122,970,544                 | 100.094019               |
| VIRGINIA       | PETERSBURG (CITY) | 197                          | 122,970,741                 | 100.094179               |
| OKLAHOMA       | SEMINOLE          | 197                          | 122,970,938                 | 100.094340               |
| NORTH CAROLINA | NORTHAMPTON       | 196                          | 122,971,134                 | 100.094499               |
| NEBRASKA       | DODGE             | 196                          | 122,971,330                 | 100.094659               |
| KANSAS         | DICKINSON         | 196                          | 122,971,526                 | 100.094818               |
| INDIANA        | CLINTON           | 195                          | 122,971,721                 | 100.094977               |
| ARKANSAS       | WHITE             | 194                          | 122,971,915                 | 100.095135               |
| MICHIGAN       | MANISTEE          | 193                          | 122,972,108                 | 100.095292               |
| NORTH CAROLINA | ORANGE            | 192                          | 122,972,300                 | 100.095448               |
| OKLAHOMA       | GRADY             | 190                          | 122,972,490                 | 100.095603               |
| KENTUCKY       | ANDERSON          | 190                          | 122,972,680                 | 100.095758               |
| IOWA           | PLYMOUTH          | 190                          | 122,972,870                 | 100.095912               |
| LOUISIANA      | UNION             | 189                          | 122,973,059                 | 100.096066               |
| GEORGIA        | LUMPKIN           | 188                          | 122,973,247                 | 100.096219               |
| TEXAS          | NACOGDOCHES       | 187                          | 122,973,434                 | 100.096371               |
| GEORGIA        | JEFFERSON         | 186                          | 122,973,620                 | 100.096523               |
| TEXAS          | STARR             | 185                          | 122,973,805                 | 100.096673               |
| NORTH CAROLINA | WILKES            | 185                          | 122,973,990                 | 100.096824               |
| IOWA           | FAYETTE           | 183                          | 122,974,173                 | 100.096973               |
| ILLINOIS       | MACON             | 183                          | 122,974,356                 | 100.097122               |
| GEORGIA        | STEPHENS          | 183                          | 122,974,539                 | 100.097271               |
| IDAHO          | LATAH             | 182                          | 122,974,721                 | 100.097419               |
| VIRGINIA       | FRANKLIN (CITY)   | 180                          | 122,974,901                 | 100.097565               |
| OHIO           | WYANDOT           | 180                          | 122,975,081                 | 100.097712               |
| NORTH CAROLINA | HERTFORD          | 180                          | 122,975,261                 | 100.097858               |
| MISSOURI       | LAWRENCE          | 180                          | 122,975,441                 | 100.098005               |
| NORTH DAKOTA   | MOUNTRAIL         | 179                          | 122,975,620                 | 100.098151               |
| MISSOURI       | RANDOLPH          | 179                          | 122,975,799                 | 100.098296               |
| IOWA           | WASHINGTON        | 179                          | 122,975,978                 | 100.098442               |
| ILLINOIS       | CLARK             | 179                          | 122,976,157                 | 100.098588               |
| COLORADO       | ROUTT             | 177                          | 122,976,334                 | 100.098732               |
| NORTH CAROLINA | HALIFAX           | 176                          | 122,976,510                 | 100.098875               |
| ILLINOIS       | SCHUYLER          | 176                          | 122,976,686                 | 100.099018               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County       | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|--------------|------------------------------|-----------------------------|--------------------------|
| OHIO           | ROSS         | 175                          | 122,976,861                 | 100.099161               |
| NORTH CAROLINA | LINCOLN      | 175                          | 122,977,036                 | 100.099303               |
| VERMONT        | WINDHAM      | 174                          | 122,977,210                 | 100.099445               |
| NEBRASKA       | SALINE       | 172                          | 122,977,382                 | 100.099585               |
| WEST VIRGINIA  | LEWIS        | 171                          | 122,977,553                 | 100.099724               |
| IDAHO          | TWIN FALLS   | 170                          | 122,977,723                 | 100.099862               |
| GEORGIA        | LINCOLN      | 170                          | 122,977,893                 | 100.100001               |
| VIRGINIA       | DICKENSON    | 168                          | 122,978,061                 | 100.100138               |
| NEW YORK       | ESSEX        | 168                          | 122,978,229                 | 100.100274               |
| ALABAMA        | SHELBY       | 168                          | 122,978,397                 | 100.100411               |
| ARKANSAS       | LINCOLN      | 167                          | 122,978,564                 | 100.100547               |
| MICHIGAN       | IONIA        | 166                          | 122,978,730                 | 100.100682               |
| PENNSYLVANIA   | CRAWFORD     | 165                          | 122,978,895                 | 100.100816               |
| NEBRASKA       | CUMING       | 165                          | 122,979,060                 | 100.100951               |
| MONTANA        | ROSEBUD      | 165                          | 122,979,225                 | 100.101085               |
| ARKANSAS       | CLAY         | 165                          | 122,979,390                 | 100.101219               |
| FLORIDA        | SUMTER       | 164                          | 122,979,554                 | 100.101353               |
| ALABAMA        | PERRY        | 164                          | 122,979,718                 | 100.101486               |
| NORTH CAROLINA | BEAUFORT     | 162                          | 122,979,880                 | 100.101618               |
| WEST VIRGINIA  | BARBOUR      | 161                          | 122,980,041                 | 100.101749               |
| VIRGINIA       | PULASKI      | 161                          | 122,980,202                 | 100.101880               |
| INDIANA        | PULASKI      | 161                          | 122,980,363                 | 100.102011               |
| KENTUCKY       | LEE          | 160                          | 122,980,523                 | 100.102142               |
| ARKANSAS       | HOWARD       | 159                          | 122,980,682                 | 100.102271               |
| MICHIGAN       | ALGER        | 158                          | 122,980,840                 | 100.102400               |
| GEORGIA        | DOUGLAS      | 158                          | 122,980,998                 | 100.102528               |
| MINNESOTA      | RICE         | 157                          | 122,981,155                 | 100.102656               |
| MICHIGAN       | MISSAUKEE    | 157                          | 122,981,312                 | 100.102784               |
| VIRGINIA       | RUSSELL      | 156                          | 122,981,468                 | 100.102911               |
| OHIO           | HARRISON     | 156                          | 122,981,624                 | 100.103038               |
| NEW YORK       | FRANKLIN     | 156                          | 122,981,780                 | 100.103165               |
| KANSAS         | ALLEN        | 156                          | 122,981,936                 | 100.103292               |
| MISSOURI       | STODDARD     | 155                          | 122,982,091                 | 100.103418               |
| INDIANA        | POSEY        | 155                          | 122,982,246                 | 100.103544               |
| MISSOURI       | WARREN       | 154                          | 122,982,400                 | 100.103669               |
| WISCONSIN      | PORTAGE      | 153                          | 122,982,553                 | 100.103794               |
| NORTH CAROLINA | SURRY        | 152                          | 122,982,705                 | 100.103918               |
| WISCONSIN      | JACKSON      | 151                          | 122,982,856                 | 100.104041               |
| MICHIGAN       | PRESQUE ISLE | 151                          | 122,983,007                 | 100.104163               |
| WASHINGTON     | GARFIELD     | 150                          | 122,983,157                 | 100.104286               |
| TEXAS          | RUNNELS      | 150                          | 122,983,307                 | 100.104408               |
| TENNESSEE      | CLAIBORNE    | 150                          | 122,983,457                 | 100.104530               |
| KENTUCKY       | CLARK        | 149                          | 122,983,606                 | 100.104651               |
| IOWA           | CLAY         | 149                          | 122,983,755                 | 100.104772               |
| COLORADO       | LAS ANIMAS   | 149                          | 122,983,904                 | 100.104894               |
| OKLAHOMA       | LINCOLN      | 148                          | 122,984,052                 | 100.105014               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County              | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|---------------------|------------------------------|-----------------------------|--------------------------|
| TENNESSEE      | VAN BUREN           | 147                          | 122,984,199                 | 100.105134               |
| NEW YORK       | SULLIVAN            | 147                          | 122,984,346                 | 100.105253               |
| MISSOURI       | LINN                | 147                          | 122,984,493                 | 100.105373               |
| MISSISSIPPI    | ISSAQUENA           | 147                          | 122,984,640                 | 100.105493               |
| LOUISIANA      | MADISON             | 147                          | 122,984,787                 | 100.105612               |
| NEBRASKA       | CEDAR               | 146                          | 122,984,933                 | 100.105731               |
| MINNESOTA      | SCOTT               | 146                          | 122,985,079                 | 100.105850               |
| ALABAMA        | LOWNDES             | 146                          | 122,985,225                 | 100.105969               |
| VERMONT        | ORANGE              | 145                          | 122,985,370                 | 100.106087               |
| TEXAS          | NAVARRO             | 145                          | 122,985,515                 | 100.106205               |
| INDIANA        | HOWARD              | 144                          | 122,985,659                 | 100.106322               |
| VIRGINIA       | BLAND               | 143                          | 122,985,802                 | 100.106438               |
| SOUTH CAROLINA | WILLIAMSBURG        | 143                          | 122,985,945                 | 100.106555               |
| KANSAS         | PAWNEE              | 143                          | 122,986,088                 | 100.106671               |
| TENNESSEE      | JEFFERSON           | 142                          | 122,986,230                 | 100.106787               |
| MONTANA        | LINCOLN             | 140                          | 122,986,370                 | 100.106901               |
| IOWA           | HENRY               | 140                          | 122,986,510                 | 100.107015               |
| ARKANSAS       | VAN BUREN           | 140                          | 122,986,650                 | 100.107129               |
| GEORGIA        | CLAY                | 138                          | 122,986,788                 | 100.107241               |
| TEXAS          | BOSQUE              | 135                          | 122,986,923                 | 100.107351               |
| SOUTH DAKOTA   | MINNEHAHA           | 134                          | 122,987,057                 | 100.107460               |
| TEXAS          | HUTCHINSON          | 133                          | 122,987,190                 | 100.107568               |
| LOUISIANA      | ASCENSION           | 133                          | 122,987,323                 | 100.107676               |
| NORTH CAROLINA | GRANVILLE           | 132                          | 122,987,455                 | 100.107784               |
| NEBRASKA       | KEARNEY             | 132                          | 122,987,587                 | 100.107891               |
| VIRGINIA       | HARRISONBURG (CITY) | 131                          | 122,987,718                 | 100.107998               |
| TEXAS          | PARKER              | 131                          | 122,987,849                 | 100.108105               |
| KENTUCKY       | MARSHALL            | 131                          | 122,987,980                 | 100.108211               |
| ILLINOIS       | BOONE               | 130                          | 122,988,110                 | 100.108317               |
| MISSISSIPPI    | SCOTT               | 129                          | 122,988,239                 | 100.108422               |
| KANSAS         | OSAGE               | 129                          | 122,988,368                 | 100.108527               |
| WYOMING        | TETON               | 128                          | 122,988,496                 | 100.108631               |
| NEBRASKA       | COLFAX              | 128                          | 122,988,624                 | 100.108735               |
| NORTH DAKOTA   | PIERCE              | 127                          | 122,988,751                 | 100.108839               |
| MONTANA        | MISSOULA            | 125                          | 122,988,876                 | 100.108941               |
| LOUISIANA      | SABINE              | 125                          | 122,989,001                 | 100.109042               |
| TEXAS          | COMANCHE            | 124                          | 122,989,125                 | 100.109143               |
| TEXAS          | RED RIVER           | 124                          | 122,989,249                 | 100.109244               |
| GEORGIA        | EVANS               | 124                          | 122,989,373                 | 100.109345               |
| ILLINOIS       | MACOUPIN            | 123                          | 122,989,496                 | 100.109445               |
| MISSOURI       | COOPER              | 122                          | 122,989,618                 | 100.109545               |
| VIRGINIA       | TAZEWELL            | 121                          | 122,989,739                 | 100.109643               |
| TEXAS          | JASPER              | 121                          | 122,989,860                 | 100.109742               |
| NORTH CAROLINA | YADKIN              | 121                          | 122,989,981                 | 100.109840               |
| INDIANA        | SPENCER             | 121                          | 122,990,102                 | 100.109939               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County     | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|------------|------------------------------|-----------------------------|--------------------------|
| ALABAMA        | TALLAPOOSA | 121                          | 122,990,223                 | 100.110037               |
| MINNESOTA      | FREEBORN   | 120                          | 122,990,343                 | 100.110135               |
| TEXAS          | WILLIAMSON | 117                          | 122,990,460                 | 100.110230               |
| NORTH CAROLINA | COLUMBUS   | 117                          | 122,990,577                 | 100.110325               |
| SOUTH DAKOTA   | LYMAN      | 116                          | 122,990,693                 | 100.110420               |
| MAINE          | LINCOLN    | 116                          | 122,990,809                 | 100.110514               |
| VIRGINIA       | RICHMOND   | 115                          | 122,990,924                 | 100.110608               |
| WYOMING        | PLATTE     | 114                          | 122,991,038                 | 100.110700               |
| WEST VIRGINIA  | MARSHALL   | 114                          | 122,991,152                 | 100.110793               |
| NEBRASKA       | HALL       | 114                          | 122,991,266                 | 100.110886               |
| WEST VIRGINIA  | WYOMING    | 113                          | 122,991,379                 | 100.110978               |
| WASHINGTON     | SKAMANIA   | 113                          | 122,991,492                 | 100.111070               |
| ILLINOIS       | EDGAR      | 113                          | 122,991,605                 | 100.111162               |
| GEORGIA        | FAYETTE    | 113                          | 122,991,718                 | 100.111254               |
| ILLINOIS       | FORD       | 112                          | 122,991,830                 | 100.111345               |
| CALIFORNIA     | SISKIYOU   | 112                          | 122,991,942                 | 100.111436               |
| OHIO           | PREBLE     | 111                          | 122,992,053                 | 100.111527               |
| MINNESOTA      | MARTIN     | 111                          | 122,992,164                 | 100.111617               |
| GEORGIA        | FRANKLIN   | 111                          | 122,992,275                 | 100.111707               |
| TEXAS          | FREESTONE  | 110                          | 122,992,385                 | 100.111797               |
| OREGON         | COLUMBIA   | 110                          | 122,992,495                 | 100.111886               |
| NEW MEXICO     | ROOSEVELT  | 110                          | 122,992,605                 | 100.111976               |
| MINNESOTA      | JACKSON    | 109                          | 122,992,714                 | 100.112065               |
| VERMONT        | ESSEX      | 108                          | 122,992,822                 | 100.112153               |
| IOWA           | HANCOCK    | 108                          | 122,992,930                 | 100.112240               |
| GEORGIA        | PAULDING   | 108                          | 122,993,038                 | 100.112328               |
| SOUTH DAKOTA   | CODINGTON  | 107                          | 122,993,145                 | 100.112415               |
| NORTH CAROLINA | CABARRUS   | 107                          | 122,993,252                 | 100.112503               |
| MINNESOTA      | MEEKER     | 107                          | 122,993,359                 | 100.112590               |
| ARIZONA        | SANTA CRUZ | 107                          | 122,993,466                 | 100.112677               |
| NORTH CAROLINA | GREENE     | 106                          | 122,993,572                 | 100.112763               |
| INDIANA        | WARRICK    | 106                          | 122,993,678                 | 100.112849               |
| FLORIDA        | LEVY       | 106                          | 122,993,784                 | 100.112936               |
| WISCONSIN      | ONEIDA     | 105                          | 122,993,889                 | 100.113021               |
| TEXAS          | JACKSON    | 105                          | 122,993,994                 | 100.113106               |
| MAINE          | OXFORD     | 105                          | 122,994,099                 | 100.113192               |
| LOUISIANA      | WINN       | 105                          | 122,994,204                 | 100.113277               |
| GEORGIA        | SEMINOLE   | 105                          | 122,994,309                 | 100.113363               |
| COLORADO       | LOGAN      | 105                          | 122,994,414                 | 100.113448               |
| INDIANA        | HENDRICKS  | 104                          | 122,994,518                 | 100.113533               |
| MINNESOTA      | PENNINGTON | 103                          | 122,994,621                 | 100.113617               |
| VIRGINIA       | ALLEGHANY  | 102                          | 122,994,723                 | 100.113700               |
| NEW MEXICO     | TAOS       | 102                          | 122,994,825                 | 100.113783               |
| NORTH DAKOTA   | RENVILLE   | 100                          | 122,994,925                 | 100.113864               |
| LOUISIANA      | VERMILION  | 100                          | 122,995,025                 | 100.113946               |
| ARKANSAS       | MONROE     | 100                          | 122,995,125                 | 100.114027               |

**TABLE D-1***1991 Defense Prime Contract Awards by County (Continued)**(Sorted by value of transaction)*

| State          | County            | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-------------------|------------------------------|-----------------------------|--------------------------|
| ARKANSAS       | WOODRUFF          | 100                          | 122,995,225                 | 100.114108               |
| OHIO           | PICKAWAY          | 99                           | 122,995,324                 | 100.114189               |
| MISSOURI       | OREGON            | 99                           | 122,995,423                 | 100.114270               |
| KANSAS         | WOODSON           | 99                           | 122,995,522                 | 100.114350               |
| GEORGIA        | WAYNE             | 99                           | 122,995,621                 | 100.114431               |
| TENNESSEE      | WILSON            | 98                           | 122,995,719                 | 100.114511               |
| OHIO           | HOCKING           | 98                           | 122,995,817                 | 100.114590               |
| NORTH CAROLINA | STANLY            | 98                           | 122,995,915                 | 100.114670               |
| MICHIGAN       | HILLSDALE         | 98                           | 122,996,013                 | 100.114750               |
| ILLINOIS       | WARREN            | 98                           | 122,996,111                 | 100.114830               |
| VIRGINIA       | MADISON           | 97                           | 122,996,208                 | 100.114909               |
| MINNESOTA      | LAKE OF THE WOODS | 97                           | 122,996,305                 | 100.114988               |
| MINNESOTA      | CHISAGO           | 96                           | 122,996,401                 | 100.115066               |
| ILLINOIS       | JERSEY            | 96                           | 122,996,497                 | 100.115144               |
| IDAHO          | MINIDOKA          | 95                           | 122,996,592                 | 100.115221               |
| GEORGIA        | TALBOT            | 95                           | 122,996,687                 | 100.115298               |
| IOWA           | IDA               | 94                           | 122,996,781                 | 100.115375               |
| IOWA           | IOWA              | 94                           | 122,996,875                 | 100.115452               |
| NEW MEXICO     | COLFAX            | 93                           | 122,996,968                 | 100.115527               |
| MISSISSIPPI    | COAHOMA           | 93                           | 122,997,061                 | 100.115603               |
| GEORGIA        | NEWTON            | 93                           | 122,997,154                 | 100.115679               |
| VIRGINIA       | BOTETOURT         | 92                           | 122,997,246                 | 100.115753               |
| NEW MEXICO     | LUNA              | 92                           | 122,997,338                 | 100.115828               |
| OHIO           | CARROLL           | 91                           | 122,997,429                 | 100.115902               |
| OKLAHOMA       | MARSHALL          | 90                           | 122,997,519                 | 100.115976               |
| MINNESOTA      | ROSEAU            | 90                           | 122,997,609                 | 100.116049               |
| ILLINOIS       | MONTGOMERY        | 89                           | 122,997,698                 | 100.116121               |
| CALIFORNIA     | TEHAMA            | 89                           | 122,997,787                 | 100.116194               |
| ALABAMA        | LAWRENCE          | 89                           | 122,997,876                 | 100.116266               |
| VIRGINIA       | BEDFORD           | 88                           | 122,997,964                 | 100.116338               |
| OHIO           | HOLMES            | 87                           | 122,998,051                 | 100.116409               |
| MISSISSIPPI    | TUNICA            | 87                           | 122,998,138                 | 100.116480               |
| MINNESOTA      | CLAY              | 87                           | 122,998,225                 | 100.116550               |
| KENTUCKY       | CLAY              | 86                           | 122,998,311                 | 100.116620               |
| KANSAS         | WASHINGTON        | 86                           | 122,998,397                 | 100.116690               |
| GEORGIA        | THOMAS            | 86                           | 122,998,483                 | 100.116760               |
| TEXAS          | YOUNG             | 85                           | 122,998,568                 | 100.116830               |
| SOUTH DAKOTA   | BRULE             | 85                           | 122,998,653                 | 100.116899               |
| PENNSYLVANIA   | PERRY             | 85                           | 122,998,738                 | 100.116968               |
| OHIO           | MONROE            | 85                           | 122,998,823                 | 100.117037               |
| ILLINOIS       | BOND              | 85                           | 122,998,908                 | 100.117106               |
| INDIANA        | JENNINGS          | 84                           | 122,998,992                 | 100.117175               |
| SOUTH CAROLINA | ABBEVILLE         | 83                           | 122,999,075                 | 100.117242               |
| OKLAHOMA       | MCCLAIN           | 83                           | 122,999,158                 | 100.117310               |
| MISSOURI       | ST. FRANCOIS      | 83                           | 122,999,241                 | 100.117377               |



**TABLE D-1***1991 Defense Prime Contract Awards by County (Continued)**(Sorted by value of transaction)*

| State          | County     | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|------------|------------------------------|-----------------------------|--------------------------|
| FLORIDA        | JEFFERSON  | 83                           | 122,999,324                 | 100.117445               |
| PENNSYLVANIA   | ARMSTRONG  | 82                           | 122,999,406                 | 100.117512               |
| OHIO           | MORROW     | 82                           | 122,999,488                 | 100.117578               |
| NORTH DAKOTA   | MERCER     | 82                           | 122,999,570                 | 100.117645               |
| MICHIGAN       | VAN BUREN  | 82                           | 122,999,652                 | 100.117712               |
| GEORGIA        | SCHLEY     | 82                           | 122,999,734                 | 100.117779               |
| TENNESSEE      | LAKE       | 81                           | 122,999,815                 | 100.117845               |
| OKLAHOMA       | LOGAN      | 81                           | 122,999,896                 | 100.117911               |
| OHIO           | HENRY      | 81                           | 122,999,977                 | 100.117976               |
| INDIANA        | RUSH       | 81                           | 123,000,058                 | 100.118042               |
| KENTUCKY       | KNOTT      | 80                           | 123,000,138                 | 100.118107               |
| ILLINOIS       | WHITE      | 80                           | 123,000,218                 | 100.118173               |
| TEXAS          | BREWSTER   | 79                           | 123,000,297                 | 100.118237               |
| TEXAS          | KERR       | 79                           | 123,000,376                 | 100.118301               |
| WISCONSIN      | CLARK      | 78                           | 123,000,454                 | 100.118365               |
| TEXAS          | KNOX       | 78                           | 123,000,532                 | 100.118428               |
| IDAHO          | VALLEY     | 78                           | 123,000,610                 | 100.118492               |
| GEORGIA        | BARROW     | 78                           | 123,000,688                 | 100.118555               |
| COLORADO       | BENT       | 78                           | 123,000,766                 | 100.118619               |
| WEST VIRGINIA  | WETZEL     | 77                           | 123,000,843                 | 100.118681               |
| SOUTH CAROLINA | UNION      | 77                           | 123,000,920                 | 100.118744               |
| MISSOURI       | HOWARD     | 76                           | 123,000,996                 | 100.118806               |
| KANSAS         | COFFEY     | 76                           | 123,001,072                 | 100.118868               |
| IOWA           | WEBSTER    | 76                           | 123,001,148                 | 100.118930               |
| TEXAS          | WOOD       | 75                           | 123,001,223                 | 100.118991               |
| ALABAMA        | MARSHALL   | 75                           | 123,001,298                 | 100.119052               |
| NORTH CAROLINA | HOKE       | 74                           | 123,001,372                 | 100.119112               |
| MISSOURI       | CEDAR      | 74                           | 123,001,446                 | 100.119172               |
| KENTUCKY       | FRANKLIN   | 74                           | 123,001,520                 | 100.119232               |
| INDIANA        | NOBLE      | 74                           | 123,001,594                 | 100.119293               |
| WISCONSIN      | MARQUETTE  | 73                           | 123,001,667                 | 100.119352               |
| ILLINOIS       | LEE        | 73                           | 123,001,740                 | 100.119411               |
| ARKANSAS       | PERRY      | 73                           | 123,001,813                 | 100.119471               |
| PENNSYLVANIA   | JEFFERSON  | 72                           | 123,001,885                 | 100.119529               |
| OHIO           | MADISON    | 72                           | 123,001,957                 | 100.119588               |
| NEBRASKA       | CASS       | 72                           | 123,002,029                 | 100.119647               |
| COLORADO       | RIO GRANDE | 72                           | 123,002,101                 | 100.119705               |
| TENNESSEE      | HENDERSON  | 71                           | 123,002,172                 | 100.119763               |
| MINNESOTA      | CASS       | 71                           | 123,002,243                 | 100.119821               |
| MISSISSIPPI    | SIMPSON    | 70                           | 123,002,313                 | 100.119878               |
| GEORGIA        | SPALDING   | 70                           | 123,002,383                 | 100.119935               |
| ALABAMA        | ST. CLAIR  | 70                           | 123,002,453                 | 100.119992               |
| GEORGIA        | RANDOLPH   | 69                           | 123,002,522                 | 100.120048               |
| CALIFORNIA     | TUOLUMNE   | 69                           | 123,002,591                 | 100.120104               |
| TEXAS          | KIMBLE     | 68                           | 123,002,659                 | 100.120160               |
| MISSISSIPPI    | GREENE     | 68                           | 123,002,727                 | 100.120215               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County                  | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-------------------------|------------------------------|-----------------------------|--------------------------|
| MISSISSIPPI    | NOXUBEE                 | 68                           | 123,002,795                 | 100.120270               |
| KENTUCKY       | BALLARD                 | 68                           | 123,002,863                 | 100.120326               |
| ARKANSAS       | HEMPSTEAD               | 68                           | 123,002,931                 | 100.120381               |
| OKLAHOMA       | KIOWA                   | 67                           | 123,002,998                 | 100.120435               |
| ILLINOIS       | BUREAU                  | 67                           | 123,003,065                 | 100.120490               |
| SOUTH DAKOTA   | BON HOMME               | 66                           | 123,003,131                 | 100.120544               |
| OREGON         | GRANT                   | 66                           | 123,003,197                 | 100.120597               |
| TEXAS          | MORRIS                  | 65                           | 123,003,262                 | 100.120650               |
| IOWA           | DICKINSON               | 65                           | 123,003,327                 | 100.120703               |
| WISCONSIN      | GREEN LAKE              | 64                           | 123,003,391                 | 100.120755               |
| TEXAS          | WALKER                  | 64                           | 123,003,455                 | 100.120807               |
| IOWA           | TAMA                    | 64                           | 123,003,519                 | 100.120860               |
| GEORGIA        | COWETA                  | 64                           | 123,003,583                 | 100.120912               |
| ARKANSAS       | INDEPENDENCE            | 64                           | 123,003,647                 | 100.120964               |
| COLORADO       | PITKIN                  | 63                           | 123,003,710                 | 100.121015               |
| ALASKA         | WRANGELL-<br>PETERSBURG | 63                           | 123,003,773                 | 100.121066               |
| WEST VIRGINIA  | MERCER                  | 62                           | 123,003,835                 | 100.121117               |
| NORTH CAROLINA | MITCHELL                | 62                           | 123,003,897                 | 100.121167               |
| MISSISSIPPI    | PIKE                    | 62                           | 123,003,959                 | 100.121218               |
| LOUISIANA      | LA SALLE                | 62                           | 123,004,021                 | 100.121268               |
| INDIANA        | JACKSON                 | 62                           | 123,004,083                 | 100.121319               |
| TEXAS          | GRIMES                  | 61                           | 123,004,144                 | 100.121368               |
| OKLAHOMA       | ADAIR                   | 61                           | 123,004,205                 | 100.121418               |
| MINNESOTA      | DODGE                   | 61                           | 123,004,266                 | 100.121468               |
| LOUISIANA      | TENSAS                  | 61                           | 123,004,327                 | 100.121517               |
| KENTUCKY       | LOGAN                   | 61                           | 123,004,388                 | 100.121567               |
| IOWA           | PAGE                    | 61                           | 123,004,449                 | 100.121617               |
| FLORIDA        | COLUMBIA                | 61                           | 123,004,510                 | 100.121666               |
| TENNESSEE      | MONROE                  | 60                           | 123,004,570                 | 100.121715               |
| MINNESOTA      | BENTON                  | 60                           | 123,004,630                 | 100.121764               |
| TEXAS          | PANOLA                  | 59                           | 123,004,689                 | 100.121812               |
| SOUTH CAROLINA | KERSHAW                 | 59                           | 123,004,748                 | 100.121860               |
| NORTH DAKOTA   | BARNES                  | 59                           | 123,004,807                 | 100.121908               |
| COLORADO       | FREMONT                 | 59                           | 123,004,866                 | 100.121956               |
| ARKANSAS       | GREENE                  | 59                           | 123,004,925                 | 100.122004               |
| OKLAHOMA       | CHOCTAW                 | 58                           | 123,004,983                 | 100.122051               |
| MISSISSIPPI    | JEFFERSON               | 58                           | 123,005,041                 | 100.122098               |
| MICHIGAN       | GRATIOT                 | 58                           | 123,005,099                 | 100.122146               |
| IDAHO          | GEM                     | 58                           | 123,005,157                 | 100.122193               |
| WASHINGTON     | ADAMS                   | 57                           | 123,005,214                 | 100.122239               |
| TEXAS          | WISE                    | 57                           | 123,005,271                 | 100.122286               |
| MICHIGAN       | CLINTON                 | 57                           | 123,005,328                 | 100.122332               |
| IOWA           | MARSHALL                | 57                           | 123,005,385                 | 100.122378               |
| ILLINOIS       | JO DAVIESS              | 57                           | 123,005,442                 | 100.122425               |
| ALASKA         | NORTH SLOPE             | 57                           | 123,005,499                 | 100.122471               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County     | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|------------|------------------------------|-----------------------------|--------------------------|
| NORTH DAKOTA   | WALSH      | 56                           | 123,005,555                 | 100.122517               |
| NEBRASKA       | LINCOLN    | 56                           | 123,005,611                 | 100.122562               |
| KENTUCKY       | METCALFE   | 56                           | 123,005,667                 | 100.122608               |
| IDAHO          | CUSTER     | 56                           | 123,005,723                 | 100.122653               |
| UTAH           | JUAB       | 55                           | 123,005,778                 | 100.122698               |
| TENNESSEE      | DECATUR    | 55                           | 123,005,833                 | 100.122743               |
| MISSOURI       | CARTER     | 55                           | 123,005,888                 | 100.122788               |
| MINNESOTA      | PIPESTONE  | 55                           | 123,005,943                 | 100.122833               |
| INDIANA        | DEARBORN   | 55                           | 123,005,998                 | 100.122877               |
| OREGON         | HARNEY     | 54                           | 123,006,052                 | 100.122921               |
| FLORIDA        | BAKER      | 54                           | 123,006,106                 | 100.122965               |
| OHIO           | GEAUGA     | 53                           | 123,006,159                 | 100.123008               |
| IOWA           | WINNEBAGO  | 52                           | 123,006,211                 | 100.123051               |
| TEXAS          | HOOD       | 51                           | 123,006,262                 | 100.123092               |
| SOUTH CAROLINA | NEWBERRY   | 51                           | 123,006,313                 | 100.123134               |
| KANSAS         | RUSSELL    | 51                           | 123,006,364                 | 100.123175               |
| WASHINGTON     | SAN JUAN   | 50                           | 123,006,414                 | 100.123216               |
| NEVADA         | HUMBOLDT   | 50                           | 123,006,464                 | 100.123257               |
| COLORADO       | HUERFANO   | 50                           | 123,006,514                 | 100.123297               |
| CALIFORNIA     | SIERRA     | 50                           | 123,006,564                 | 100.123338               |
| ALABAMA        | BARBOUR    | 50                           | 123,006,614                 | 100.123379               |
| OKLAHOMA       | ATOKA      | 49                           | 123,006,663                 | 100.123419               |
| NORTH DAKOTA   | MORTON     | 49                           | 123,006,712                 | 100.123459               |
| MINNESOTA      | NICOLLET   | 49                           | 123,006,761                 | 100.123498               |
| VIRGINIA       | CLARKE     | 48                           | 123,006,809                 | 100.123537               |
| TEXAS          | WASHINGTON | 48                           | 123,006,857                 | 100.123577               |
| MISSOURI       | AUDRAIN    | 48                           | 123,006,905                 | 100.123616               |
| MINNESOTA      | KITTSOON   | 48                           | 123,006,953                 | 100.123655               |
| KANSAS         | MARION     | 48                           | 123,007,001                 | 100.123694               |
| GEORGIA        | SUMTER     | 48                           | 123,007,049                 | 100.123733               |
| GEORGIA        | WARREN     | 48                           | 123,007,097                 | 100.123772               |
| FLORIDA        | HERNANDO   | 48                           | 123,007,145                 | 100.123811               |
| ALABAMA        | BLOUNT     | 48                           | 123,007,193                 | 100.123850               |
| VIRGINIA       | BATH       | 47                           | 123,007,240                 | 100.123888               |
| UTAH           | BEAVER     | 47                           | 123,007,287                 | 100.123927               |
| OHIO           | MORGAN     | 46                           | 123,007,333                 | 100.123964               |
| NEW HAMPSHIRE  | COOS       | 46                           | 123,007,379                 | 100.124001               |
| MICHIGAN       | BRANCH     | 46                           | 123,007,425                 | 100.124039               |
| INDIANA        | PUTNAM     | 46                           | 123,007,471                 | 100.124076               |
| COLORADO       | EAGLE      | 45                           | 123,007,516                 | 100.124113               |
| WEST VIRGINIA  | GRANT      | 44                           | 123,007,560                 | 100.124149               |
| WASHINGTON     | ASOTIN     | 44                           | 123,007,604                 | 100.124185               |
| TENNESSEE      | WHITE      | 44                           | 123,007,648                 | 100.124220               |
| SOUTH CAROLINA | EDGEFIELD  | 44                           | 123,007,692                 | 100.124256               |
| OKLAHOMA       | TILLMAN    | 44                           | 123,007,736                 | 100.124292               |
| LOUISIANA      | CALDWELL   | 44                           | 123,007,780                 | 100.124328               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State         | County      | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|---------------|-------------|------------------------------|-----------------------------|--------------------------|
| KENTUCKY      | MONTGOMERY  | 44                           | 123,007,824                 | 100.124364               |
| IOWA          | WORTH       | 44                           | 123,007,868                 | 100.124399               |
| INDIANA       | SCOTT       | 44                           | 123,007,912                 | 100.124435               |
| WEST VIRGINIA | TAYLOR      | 43                           | 123,007,955                 | 100.124470               |
| TENNESSEE     | MARION      | 43                           | 123,007,998                 | 100.124505               |
| TENNESSEE     | STEWART     | 43                           | 123,008,041                 | 100.124540               |
| NEBRASKA      | GREELEY     | 43                           | 123,008,084                 | 100.124575               |
| MISSOURI      | IRON        | 43                           | 123,008,127                 | 100.124610               |
| MINNESOTA     | MILLE LACS  | 43                           | 123,008,170                 | 100.124645               |
| MINNESOTA     | MORRISON    | 43                           | 123,008,213                 | 100.124680               |
| KENTUCKY      | GREENUP     | 43                           | 123,008,256                 | 100.124715               |
| KENTUCKY      | MASON       | 43                           | 123,008,299                 | 100.124750               |
| ALABAMA       | LAUDERDALE  | 43                           | 123,008,342                 | 100.124785               |
| INDIANA       | OWEN        | 42                           | 123,008,384                 | 100.124819               |
| GEORGIA       | OCONEE      | 42                           | 123,008,426                 | 100.124854               |
| SOUTH DAKOTA  | DEUEL       | 41                           | 123,008,467                 | 100.124887               |
| MARYLAND      | SOMERSET    | 41                           | 123,008,508                 | 100.124920               |
| GEORGIA       | WHITE       | 41                           | 123,008,549                 | 100.124954               |
| WYOMING       | NIOBRARA    | 40                           | 123,008,589                 | 100.124986               |
| TEXAS         | ZAVALA      | 40                           | 123,008,629                 | 100.125019               |
| OKLAHOMA      | PAWNEE      | 40                           | 123,008,669                 | 100.125051               |
| NORTH DAKOTA  | TRAILL      | 40                           | 123,008,709                 | 100.125084               |
| NEBRASKA      | THAYER      | 40                           | 123,008,749                 | 100.125117               |
| MONTANA       | JEFFERSON   | 40                           | 123,008,789                 | 100.125149               |
| MISSOURI      | REYNOLDS    | 40                           | 123,008,829                 | 100.125182               |
| KANSAS        | FORD        | 40                           | 123,008,869                 | 100.125214               |
| GEORGIA       | BULLOCH     | 40                           | 123,008,909                 | 100.125247               |
| ARIZONA       | APACHE      | 40                           | 123,008,949                 | 100.125279               |
| TEXAS         | SHELBY      | 39                           | 123,008,988                 | 100.125311               |
| OKLAHOMA      | WOODWARD    | 39                           | 123,009,027                 | 100.125343               |
| NORTH DAKOTA  | BOTTINEAU   | 39                           | 123,009,066                 | 100.125375               |
| IOWA          | BUENA VISTA | 39                           | 123,009,105                 | 100.125406               |
| IDAHO         | POWER       | 39                           | 123,009,144                 | 100.125438               |
| COLORADO      | CHAFFEE     | 39                           | 123,009,183                 | 100.125470               |
| SOUTH DAKOTA  | DOUGLAS     | 37                           | 123,009,220                 | 100.125500               |
| MAINE         | PISCATAQUIS | 37                           | 123,009,257                 | 100.125530               |
| LOUISIANA     | DE SOTO     | 37                           | 123,009,294                 | 100.125560               |
| KANSAS        | KINGMAN     | 37                           | 123,009,331                 | 100.125590               |
| IOWA          | HUMBOLDT    | 37                           | 123,009,368                 | 100.125620               |
| INDIANA       | LAGRANGE    | 37                           | 123,009,405                 | 100.125651               |
| GEORGIA       | FORSYTH     | 37                           | 123,009,442                 | 100.125681               |
| MISSOURI      | VERNON      | 36                           | 123,009,478                 | 100.125710               |
| MISSISSIPPI   | ADAMS       | 36                           | 123,009,514                 | 100.125739               |
| KANSAS        | TREGO       | 36                           | 123,009,550                 | 100.125769               |
| GEORGIA       | COFFEE      | 36                           | 123,009,586                 | 100.125798               |

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)

(Sorted by value of transaction)

| State          | County          | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|-----------------|------------------------------|-----------------------------|--------------------------|
| ALABAMA        | GREENE          | 36                           | 123,009,622                 | 100.125827               |
| WISCONSIN      | KEWAUNEE        | 35                           | 123,009,657                 | 100.125856               |
| TEXAS          | HOPKINS         | 35                           | 123,009,692                 | 100.125884               |
| OREGON         | POLK            | 35                           | 123,009,727                 | 100.125913               |
| NORTH CAROLINA | MADISON         | 35                           | 123,009,762                 | 100.125941               |
| MISSOURI       | LACLEDE         | 35                           | 123,009,797                 | 100.125970               |
| LOUISIANA      | EAST FELICIANA  | 35                           | 123,009,832                 | 100.125998               |
| KENTUCKY       | CALLOWAY        | 35                           | 123,009,867                 | 100.126027               |
| ILLINOIS       | POPE            | 35                           | 123,009,902                 | 100.126055               |
| GEORGIA        | BALDWIN         | 35                           | 123,009,937                 | 100.126084               |
| NORTH CAROLINA | PAMLICO         | 34                           | 123,009,971                 | 100.126111               |
| NEBRASKA       | DUNDY           | 34                           | 123,010,005                 | 100.126139               |
| NEBRASKA       | MADISON         | 34                           | 123,010,039                 | 100.126167               |
| MINNESOTA      | RENVILLE        | 34                           | 123,010,073                 | 100.126194               |
| INDIANA        | DAVIESS         | 34                           | 123,010,107                 | 100.126222               |
| OHIO           | PERRY           | 33                           | 123,010,140                 | 100.126249               |
| NEBRASKA       | BOX BUTTE       | 33                           | 123,010,173                 | 100.126276               |
| MISSOURI       | HARRISON        | 33                           | 123,010,206                 | 100.126303               |
| MINNESOTA      | BELTRAMI        | 33                           | 123,010,239                 | 100.126329               |
| MICHIGAN       | EMMET           | 33                           | 123,010,272                 | 100.126356               |
| VIRGINIA       | WARREN          | 32                           | 123,010,304                 | 100.126382               |
| TEXAS          | FALLS           | 32                           | 123,010,336                 | 100.126408               |
| TENNESSEE      | OVERTON         | 32                           | 123,010,368                 | 100.126434               |
| NEBRASKA       | KNOX            | 32                           | 123,010,400                 | 100.126460               |
| MONTANA        | PARK            | 32                           | 123,010,432                 | 100.126486               |
| ILLINOIS       | WAYNE           | 32                           | 123,010,464                 | 100.126513               |
| COLORADO       | MONTEZUMA       | 32                           | 123,010,496                 | 100.126539               |
| SOUTH DAKOTA   | TRIPP           | 31                           | 123,010,527                 | 100.126564               |
| MICHIGAN       | MACKINAC        | 31                           | 123,010,558                 | 100.126589               |
| INDIANA        | MIAMI           | 31                           | 123,010,589                 | 100.126614               |
| GEORGIA        | DODGE           | 31                           | 123,010,620                 | 100.126639               |
| CALIFORNIA     | LAKE            | 31                           | 123,010,651                 | 100.126665               |
| WEST VIRGINIA  | PRESTON         | 30                           | 123,010,681                 | 100.126689               |
| WEST VIRGINIA  | PUTNAM          | 30                           | 123,010,711                 | 100.126714               |
| VIRGINIA       | MIDDLESEX       | 30                           | 123,010,741                 | 100.126738               |
| VIRGINIA       | STAUNTON (CITY) | 30                           | 123,010,771                 | 100.126762               |
| TEXAS          | SHERMAN         | 30                           | 123,010,801                 | 100.126787               |
| TENNESSEE      | MACON           | 30                           | 123,010,831                 | 100.126811               |
| SOUTH DAKOTA   | DEWEY           | 30                           | 123,010,861                 | 100.126836               |
| OKLAHOMA       | CADDO           | 30                           | 123,010,891                 | 100.126860               |
| OKLAHOMA       | JEFFERSON       | 30                           | 123,010,921                 | 100.126885               |
| MISSISSIPPI    | LAMAR           | 30                           | 123,010,951                 | 100.126909               |
| KANSAS         | HARPER          | 30                           | 123,010,981                 | 100.126933               |
| FLORIDA        | HOLMES          | 30                           | 123,011,011                 | 100.126958               |
| WEST VIRGINIA  | JACKSON         | 29                           | 123,011,040                 | 100.126981               |
| WASHINGTON     | MASON           | 29                           | 123,011,069                 | 100.127005               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County       | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|--------------|------------------------------|-----------------------------|--------------------------|
| SOUTH CAROLINA | CHEROKEE     | 29                           | 123,011,098                 | 100.127029               |
| NEBRASKA       | BUFFALO      | 29                           | 123,011,127                 | 100.127052               |
| MISSOURI       | BARTON       | 29                           | 123,011,156                 | 100.127076               |
| MISSOURI       | DADE         | 29                           | 123,011,185                 | 100.127099               |
| IOWA           | MONROE       | 29                           | 123,011,214                 | 100.127123               |
| IOWA           | WAYNE        | 29                           | 123,011,243                 | 100.127147               |
| ILLINOIS       | FULTON       | 29                           | 123,011,272                 | 100.127170               |
| GEORGIA        | FANNIN       | 29                           | 123,011,301                 | 100.127194               |
| ARKANSAS       | BRADLEY      | 29                           | 123,011,330                 | 100.127217               |
| ALABAMA        | JACKSON      | 29                           | 123,011,359                 | 100.127241               |
| WISCONSIN      | POLK         | 28                           | 123,011,387                 | 100.127264               |
| WEST VIRGINIA  | BROOKE       | 28                           | 123,011,415                 | 100.127287               |
| VIRGINIA       | WESTMORELAND | 28                           | 123,011,443                 | 100.127309               |
| SOUTH CAROLINA | FAIRFIELD    | 28                           | 123,011,471                 | 100.127332               |
| NEBRASKA       | DIXON        | 28                           | 123,011,499                 | 100.127355               |
| MISSOURI       | HICKORY      | 28                           | 123,011,527                 | 100.127378               |
| KENTUCKY       | ROWAN        | 28                           | 123,011,555                 | 100.127401               |
| INDIANA        | BOONE        | 28                           | 123,011,583                 | 100.127423               |
| INDIANA        | WELLS        | 28                           | 123,011,611                 | 100.127446               |
| FLORIDA        | CALHOUN      | 28                           | 123,011,639                 | 100.127469               |
| COLORADO       | HINSDALE     | 28                           | 123,011,667                 | 100.127492               |
| WASHINGTON     | FERRY        | 27                           | 123,011,694                 | 100.127514               |
| WASHINGTON     | LEWIS        | 27                           | 123,011,721                 | 100.127536               |
| TEXAS          | BAILEY       | 27                           | 123,011,748                 | 100.127558               |
| TEXAS          | HUDSPETH     | 27                           | 123,011,775                 | 100.127580               |
| OKLAHOMA       | DELAWARE     | 27                           | 123,011,802                 | 100.127602               |
| OHIO           | ASHLAND      | 27                           | 123,011,829                 | 100.127624               |
| MICHIGAN       | ALCONA       | 27                           | 123,011,856                 | 100.127646               |
| KANSAS         | CLOUD        | 27                           | 123,011,883                 | 100.127668               |
| ARKANSAS       | SCOTT        | 27                           | 123,011,910                 | 100.127690               |
| TENNESSEE      | MOORE        | 26                           | 123,011,936                 | 100.127711               |
| OHIO           | LAWRENCE     | 26                           | 123,011,962                 | 100.127732               |
| MISSOURI       | NODAWAY      | 26                           | 123,011,988                 | 100.127753               |
| LOUISIANA      | CLAIBORNE    | 26                           | 123,012,014                 | 100.127774               |
| KENTUCKY       | MAGOFFIN     | 26                           | 123,012,040                 | 100.127795               |
| GEORGIA        | WILKES       | 26                           | 123,012,066                 | 100.127816               |
| TENNESSEE      | ROANE        | 25                           | 123,012,091                 | 100.127837               |
| GEORGIA        | RABUN        | 25                           | 123,012,116                 | 100.127857               |
| MISSOURI       | ANDREW       | 23                           | 123,012,139                 | 100.127876               |
| KENTUCKY       | GALLATIN     | 13                           | 123,012,152                 | 100.127886               |
| FLORIDA        | CHARLOTTE    | 13                           | 123,012,165                 | 100.127897               |
| ARKANSAS       | MARION       | 13                           | 123,012,178                 | 100.127908               |
| TENNESSEE      | WEAKLEY      | 12                           | 123,012,190                 | 100.127917               |
| VIRGINIA       | GALAX (CITY) | 10                           | 123,012,200                 | 100.127926               |
| KANSAS         | MIAMI        | 10                           | 123,012,210                 | 100.127934               |

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

| State          | County       | Transaction value<br>(\$000) | Cumulative value<br>(\$000) | Cumulative<br>percentage |
|----------------|--------------|------------------------------|-----------------------------|--------------------------|
| IOWA           | SAC          | 10                           | 123,012,220                 | 100.127942               |
| GEORGIA        | DAWSON       | 9                            | 123,012,229                 | 100.127949               |
| MISSOURI       | BATES        | 7                            | 123,012,236                 | 100.127955               |
| MISSISSIPPI    | NESHOBA      | 7                            | 123,012,243                 | 100.127961               |
| OKLAHOMA       | HASKELL      | 6                            | 123,012,249                 | 100.127965               |
| NORTH DAKOTA   | STARK        | 6                            | 123,012,255                 | 100.127970               |
| NORTH CAROLINA | CHATHAM      | 6                            | 123,012,261                 | 100.127975               |
| NEW MEXICO     | GRANT        | 6                            | 123,012,267                 | 100.127980               |
| NEBRASKA       | CLAY         | 4                            | 123,012,271                 | 100.127983               |
| KENTUCKY       | BELL         | (13)                         | 123,012,258                 | 100.127973               |
| OREGON         | CURRY        | (26)                         | 123,012,232                 | 100.127952               |
| KENTUCKY       | SPENCER      | (29)                         | 123,012,203                 | 100.127928               |
| ILLINOIS       | FAYETTE      | (30)                         | 123,012,173                 | 100.127904               |
| NORTH CAROLINA | CAMDEN       | (31)                         | 123,012,142                 | 100.127878               |
| GEORGIA        | MACON        | (46)                         | 123,012,096                 | 100.127841               |
| NORTH DAKOTA   | DUNN         | (60)                         | 123,012,036                 | 100.127792               |
| NORTH CAROLINA | GRAHAM       | (64)                         | 123,011,972                 | 100.127740               |
| KANSAS         | PRATT        | (64)                         | 123,011,908                 | 100.127688               |
| GEORGIA        | CHEROKEE     | (64)                         | 123,011,844                 | 100.127636               |
| IDAHO          | OWYHEE       | (83)                         | 123,011,761                 | 100.127568               |
| NORTH CAROLINA | TRANSYLVANIA | (120)                        | 123,011,641                 | 100.127471               |
| LOUISIANA      | WEBSTER      | (126)                        | 123,011,515                 | 100.127368               |
| ALABAMA        | CRENSHAW     | (136)                        | 123,011,379                 | 100.127257               |
| OKLAHOMA       | BRYAN        | (160)                        | 123,011,219                 | 100.127127               |
| OHIO           | GALLIA       | (204)                        | 123,011,015                 | 100.126961               |
| MISSISSIPPI    | CLAIBORNE    | (320)                        | 123,010,695                 | 100.126701               |
| MINNESOTA      | MAHNOMEN     | (337)                        | 123,010,358                 | 100.126426               |
| OKLAHOMA       | CARTER       | (400)                        | 123,009,958                 | 100.126101               |
| WISCONSIN      | SHAWANO      | (494)                        | 123,009,464                 | 100.125699               |
| SOUTH DAKOTA   | BENNETT      | (498)                        | 123,008,966                 | 100.125293               |
| WEST VIRGINIA  | LOGAN        | (579)                        | 123,008,387                 | 100.124822               |
| NORTH CAROLINA | SAMPSON      | (764)                        | 123,007,623                 | 100.124200               |
| MONTANA        | RAVALLI      | (1,632)                      | 123,005,991                 | 100.122872               |
| SOUTH DAKOTA   | UNION        | (1,716)                      | 123,004,275                 | 100.121475               |
| FLORIDA        | LAKE         | (2,187)                      | 123,002,088                 | 100.119695               |
| NORTH CAROLINA | DUPLIN       | (2,439)                      | 122,999,649                 | 100.117709               |
| MISSOURI       | PETTIS       | (3,082)                      | 122,996,567                 | 100.115201               |
| KANSAS         | COWLEY       | (4,597)                      | 122,991,970                 | 100.111459               |
| OKLAHOMA       | CREEK        | (6,538)                      | 122,985,432                 | 100.106137               |
| CONNECTICUT    | TOLLAND      | (7,255)                      | 122,978,177                 | 100.100232               |
| NEW JERSEY     | SUSSEX       | (8,484)                      | 122,969,693                 | 100.093326               |
| TEXAS          | CAMERON      | (15,277)                     | 122,954,416                 | 100.080891               |
| OKLAHOMA       | OTTAWA       | (24,099)                     | 122,930,317                 | 100.061275               |
| WEST VIRGINIA  | PLEASANTS    | (75,280)                     | 122,855,037                 | 100.000000               |

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